



IFM-GEOMAR

IFM-GEOMAR Annual Report 2010

Appendices

From the Seafloor to the Atmosphere

- Marine Sciences at IFM-GEOMAR Kiel -

IFM-GEOMAR Report 2010 - Appendices

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Cover: RV Maria S. Merian and submersible JAGO (JAGO Team, IFM-GEOMAR).
Table of Contents: Mesocosm systems in the Kongs Fjord Svalbard (M. Nicolai, (IFM-GEOMAR).

Appendices

| | |
|--|------------|
| 1. Management and Organization | 1 |
| 1.1 IFM-GEOMAR Overview | 1 |
| 1.2 Organizational Structure | 2 |
| 2. Human Resources | 5 |
| 3. Budgets and Projects | 9 |
| 3.1 Budget Tables | 9 |
| 3.2 Projects | 14 |
| 4. Ship statistics and Expeditions 2010 | 44 |
| 5. Publications | 48 |
| 5.1 Books (Authorship) | 48 |
| 5.2 Books (Editorship) | 48 |
| 5.3 Book Contributions | 48 |
| 5.4 Peer-reviewed Publications | 50 |
| 5.5 Other (non-reviewed) Publications | 68 |
| 5.6 University Publications | 71 |
| 6. Scientific and Public Presentations | 74 |
| 6.1 Invited Scientific Presentations | 74 |
| 6.2 Other Scientific Presentations | 77 |
| 6.3 Poster | 94 |
| 6.4 Public Lectures | 105 |
| 6.5 Radio & TV Interviews | 106 |
| 7. Scientific Exchange and Cooperation | 108 |
| 7.1 Visitors at IFM-GEOMAR | 108 |
| 7.2 Visits by IFM-GEOMAR staff | 109 |
| 7.3 Conferences & Meetings (organized by IFM-GEOMAR staff) | 109 |
| 7.4 Colloquia & Seminars at IFM-GEOMAR | 111 |
| 7.5 Expert Activities | 115 |
| 7.6 Editorial Boards | 118 |
| 7.7 Honors and Awards | 119 |
| 8. Teaching Courses 2010 | 120 |
| 8.1 External Teaching Courses | 120 |
| 8.2 Teaching at Christian-Albrechts Universität zu Kiel | 121 |
| 9. Acronyms | 130 |

1. Management & Organization

1.1 IFM-GEOMAR Overview

The Leibniz Institute of Marine Sciences at the Kiel University (IFM-GEOMAR) was founded January 1, 2004 through a merger of the former Institute for Marine Research (IfM) and the GEOMAR Research Centre for Marine Geosciences.

The mission of IFM-GEOMAR is **to investigate the physical, chemical, biological, and geological processes in the ocean and their interaction with the seafloor and the atmosphere.**

IFM-GEOMAR has identified four overarching research themes:

- Role of the Ocean in Climate Change
- Human Impact on Marine Ecosystems
- Living and Non-Living Marine Resources
- Plate Tectonic Processes and Geological Hazards.

The research topics are grouped in four areas: Ocean Circulation and Climate Dynamics, Marine Biogeochemistry, Marine Ecology, and Dynamics of the Ocean Floor. In addition, there are two major interdisciplinary Collaborative Research Centres (SFBs) funded by the German Science Foundation (DFG).

The institute is an independent foundation under public law, supervised by a "Board of Governors" which consists of representatives of State and Federal Governments, the Kiel University, a representative from another research institution, a representative from pri-

vate industry and the chairman of the institute's Scientific Advisory Board (SAB). The SAB of IFM-GEOMAR is an internationally constituted advisory group with leading scientists representing all major research disciplines found at the institute. An overview of the organizational structure of the institute is shown in Figure 1 (page 4). By the end of 2010, IFM-GEOMAR had about 762 employees, including 388 scientists and 374 service and technical staff (incl. student assistance). About 283 scientists and 179 service and technical staff were funded through research grants.

The Leibniz Institute of Marine Sciences is associated with the Kiel University through a cooperation agreement and contributes substantially to undergraduate and graduate teaching in the following fields: Bachelor in "Physics of the Earth System: Oceanography - Meteorology - Geophysics", Master in "Climate Physics: Meteorology and Physical Oceanography", Master in "Biological Oceanography", and contributions to other courses in Geosciences at Kiel University.

The involvement of master, diploma and Ph.D. students in research projects is an important element of IFM-GEOMAR research. The total number of students at IFM-GEOMAR is currently about 300. Through training of students and young scientists from foreign countries, the institute has contributed significantly to the development of

infrastructures for marine science in many regions of the world. Several international study programmes have been implemented in recent years.

Much of the institute's research work contributes to international research efforts such as the World Climate Research Programme (WCRP), the International Geosphere-Biosphere Programme (IGBP) or the Integrated Ocean Drilling Programme (IODP). Emphasis is on a better understanding of the ocean's past and present role for climate variations and air-sea interactions, the role of biogeochemical transport and transformations in global change, the response and sensitivity of marine ecosystems to external forcing, gas hydrate research and risk assessment of natural hazards due to plate tectonics.

IFM-GEOMAR scientists have a long tradition of participating in national and international planning and management of large-scale inter-disciplinary research programs. This includes programmes such as CLIVAR (Climate Variability and Predictability), BALTEX (Baltic Sea Experiment), SOLAS (Surface Ocean Lower Atmosphere), GLOBEC (Global Ocean Ecosystems Dynamics), IODP, Interridge, and others.

The scientific work of IFM-GEOMAR could not have been maintained without funding of peer-reviewed proposals through the Ger-

man Science Foundation (DFG), the Federal Ministry of Education and Research (BMBF), the directorates of the European Union (EU) as well as other funding agencies. We would like to express our gratitude to all of those who have supported our research during the past years.

Highlights in this context are the two Collaborative Research Centres (Sonderforschungsbereiche) in which IFM-GEOMAR plays a leading role. Since 2008, DFG is funding SFB 754 on "Biogeochemistry Interactions in the Tropical Ocean". SFB 574 on "Fluids and Volatiles in Subduction Zones" that started in 2000, was implemented within the groups of the former GEOMAR and investigates the "subduction factory" and its role for climate feedbacks and natural disasters.

In 2006, IFM-GEOMAR together with six faculties of Kiel University, the Institute for the World Economy and the Muthesius School of Arts received 36 Mio. Euros funding for the Excellence Cluster "Future Ocean". Within IFM-GEOMAR four new junior research groups of the cluster were established that contribute substantially to a number of projects of the cluster.

The results of the institute's research work are generally made available through a wide range of publications. The main emphasis is on peer-reviewed international journals. Increasingly, dissemination of information in electronic form through the internet portal of IFM-GEOMAR (www.ifm-geomar.de) is used.

In particular in the field of technology development, IFM-GEOMAR cooperates with a number of small and medium-sized enterprises that are active in marine technology and science and are partly founded by former staff members of the institute.

The Leibniz Institute of Marine Sciences is a member of the Leibniz Association (Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz (WGL)), the Konsortium Deutsche Meeresforschung (KDM), the European Marine Board of the European Science Foundation and the Partnership for Observation of the Global Oceans (POGO).

1.2 Organizational Structure (31.12.2010)

See also diagram on page 4

1. Directorate

The Directorate of IFM-GEOMAR consists of the Director (chair) and the leaders of the Research Divisions. Current members of the Directorate are:

- **Prof. Dr. P.M. Herzig (Director)**
- Prof. Dr. M. Latif (RD1)
- Prof. Dr. A. Eisenhauer (RD2)
- Prof. Dr. U. Sommer (RD3)
- Prof. Dr. K. Hoernle (RD4)

Guests:

- Prof. Dr. M. Visbeck, Deputy Director & Chair Excellence Cluster "The Future Ocean"
- Prof. Dr. C. Devey, Deputy Director
- Prof. Dr. K. Hoernle, Chair SFB 574
- Prof. Dr. D. Wallace, Chair SFB 754
- Prof. Dr. M. Frank, Chair, Scientific Council
- Mrs. U. Frank-Scholz, Head of Administration
- Dr. N. Schmidt, Central Affairs
- Dr. A. Villwock, Public Relations

2. Board of Governors

- **Dr. C. Andreßen, Secretary of State, Ministry of Science, Economic Affairs and Transport of the State of Schleswig-Holstein, Kiel (Chair)**
- RD. K. Wollin, Federal Ministry for Education and Research, Bonn
- Prof. Dr. G. Fouquet, President, Kiel University
- Prof. Dr. L. Kipp, Dean of the Faculty for Mathematics and Natural Sciences, Kiel University

- Prof. Dr. J. Marotzke, Chair, Scientific Advisory Board
- Prof. Dr. K. Lochte, Director, Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven
- Dr. P. Murmann, Zöllner Signal GmbH, Kiel

Guests with consulting status:

- Dr. I. Hennings, Representative of the Scientific Staff (staff council)
- Mrs. B. Domeyer, Representative of the Non-scientific Staff (staff council)
- Mrs. B. Schmidt, Representative for Equal Rights
- Dr. W.D. Glanz, Ministry of Science, Economic Affairs and Transport of the State of Schleswig-Holstein
- Mr. M. Wagner, Ministry of Science, Economic Affairs and Transport of the State of Schleswig-Holstein
- Mrs. K. Pieper, Ministry of Science, Economic Affairs and Transport of the State of Schleswig-Holstein
- Prof. Dr. P.M. Herzig, Director of IFM-GEOMAR
- Prof. Dr. M. Visbeck, Deputy Director of IFM-GEOMAR
- Prof. Dr. C. Devey, Deputy Director of IFM-GEOMAR
- Prof. Dr. M. Frank, Chair, Scientific Council

Other guests:

- Dr. J. Biel, Managing Director, Chamber of Commerce, Kiel
- Mrs. U. Frank-Scholz, Head of Administration, IFM-GEOMAR
- Dr. N. Schmidt, Central Affairs, IFM-GEOMAR
- Mrs. I. Schultheiß, Legal Affairs
- Dr. A. Villwock, Public Relations, IFM-GEOMAR

3. Scientific Advisory Board

- **Prof. Dr. J. Marotzke, Max-Planck-Institute for Meteorology, Hamburg (Chair)**
- Prof. Dr. D.L.T. Anderson, European Centre for Medium-Range Weather Forecasts, Berkshire, UK
- Prof. Dr. E.A. Boyle, Department of Geology and Geophysics, Massachusetts Institute of Technology, Cambridge, USA
- Prof. Dr. E. Hill, National Oceanography Centre, Southampton, UK
- Prof. Dr. S. Humphris, Woods Hole Oceanographic Institution, USA
- Prof. Dr. Jack Middelburg, Utrecht University, Utrecht, The Netherlands
- Prof. Dr. Tim A. Minshull, National Oceanography Centre, Southampton, UK
- Prof. Dr. A.C. Mix, College of Oceanic & Atmospheric Sciences, Oregon State University, Corvallis, USA
- Prof. Dr. Jeanine Olsen, University of Groningen, Groningen, The Netherlands
- Prof. Dr. Y. Olsen, Norwegian University of Sciences and Technology, Institute of Biology, Trondheim, Norway
- Prof. Dr. J.A. Pearce, Department of Earth Science, Marine Geology and Geochemistry, Cardiff University, UK
- Prof. Dr. D. Turner, Chalmers University of Technology, Gothenburg, Sweden

4. Scientific Council

Members (Member / Deputy Member):
Prof. Dr. M. Frank (Chair) /
Prof. Dr. M. Wahl (Deputy Chair).

a. Professors:

- M. Frank / W.-C. Dullo
- M. Latif / N.N.
- M. Visbeck / P. Brandt
- C. Böning / R. Greatbatch
- A. Eisenhauer / K. Wallmann
- A. Körtzinger / D. Wallace
- U. Riebesell / A. Engel
- A. Oschlies / D. Wallace
- J. Imhoff / T. Reusch
- M. Wahl / U. Sommer
- K. Hoernle / C. Devey
- J. Behrmann / C. Berndt

b. Assistant Professors and Scientists with "Habilitation":

- FB1: K. Krüger / T. Kanzow
- FB2: J. LaRoche / H. Bange
- FB3: U. Piatkowski / N.N.
- FB4: E. Flüh / A. Freundt

c. Scientific staff:

- FB1: J. Karstensen / T. Martin
- FB2: K. v. Bröckel / P. Linke
- FB3: B. Matthiessen / J. Süling
- FB4: P. van den Bogaard / W. Weinrebe

Appendices

| | | |
|---|--|--|
|  Leibniz Gemeinschaft | Leibniz Institute of Marine Sciences (IFM-GEOMAR)  | |
| Scientific Advisory Board Chair: Prof. Dr. Jochem Marotzke | Directorate Prof. Dr. Peter M. Herzig (Director) (Ext.: 2800) Deputy Dir.: Prof. Dr. Colin W. Devey (Ext.: 2257), Prof. Dr. Martin Visbeck (Ext.: 4100) Head of Administration: Ursula Frank-Scholz (Ext.: 2500) + Chairs of Research Divisions | Board of Governors Chair: Secretary of State Dr. Cordelia Andreeßen, Ministry of Science Economy and Transportation of the State of Schleswig-Holstein |
| Internal Scientific Council Prof. Dr. Martin Frank (Ext.: 2218) | Directorate | Ombudsperson Prof. Dr. Wolf-Christian Dullo (Ext.: 2215) |
| Safety Adviser Dietmar Schmitz (Ext.: 2750) | Central Affairs Dr. Nicole Schmidt (Ext.: 2803) | Staff Council Peter Wehrhahn (Ext.: 2816) |
| Data Protection Official Gerhard Schiweck (Ext.: 2526) | Legal Affairs Ina Schultheiß (Ext.: 2806) | Equal Rights Representative Barbara Schmidt (Ext.: 1559) |
| | Public relations Dr. Andreas Villwock (Ext.: 2802) | Representative of Persons with Disabilities Mario L. Müller (Ext.: 2280) |

Research Divisions, Large-scale Research Projects, Administration and Central Facilities

| | | | | |
|---|---|---|---|--|
| Ocean Circulation and Climate Dynamics Prof. Dr. Mojib Latif (Ext.: 4050) | Marine Biogeochemistry Prof. Dr. Anton Eisenhauer (Ext.: 2282) | Marine Ecology Prof. Dr. Ulrich Sommer (Ext.: 4400) | Dynamics of the Ocean Floor Prof. Dr. K. Hoernle (Ext.: 2642) | Administration Ursula Frank-Scholz (Ext.: 2500) |
| Palaeo-Oceanography <i>Palaeo-Oceanography</i> Prof. Dr. W.-Chr. Dullo (Ext.: 2215) <i>Chemical Palaeo-Oceanography</i> Prof. Dr. M. Frank (Ext.: 2218) <i>Palaeo-Oceanography</i> Prof. Dr. Dirk Nürnberg (Ext.: 2313) | Marine Geosystems <i>Marine Geosystems</i> Prof. Dr. K. Wallmann (Ext.: 2287) <i>Isotope-Geochemistry</i> Prof. Dr. A. Eisenhauer (Ext.: 2282) | Experimental Ecology <i>Food Webs</i> Prof. Dr. U. Sommer (Ext.: 4400) <i>Benthos Ecology</i> Prof. Dr. M. Wahl (Ext.: 4577) | Geodynamics <i>Marine Geophysics</i> Prof. Dr. C. Berndt (Ext.: 2273) <i>Marine Geodynamics</i> Prof. Dr. J. Behrmann (Ext.: 2272) <i>Marine Seismology</i> Prof. Dr. H. Kopp (Ext.: 2334) <i>Marine Seismics</i> Prof. Dr. E. Flüß (Ext.: 2328) | <i>Controlling</i> G. Schiweck (Ext.: 2526) <i>Finances</i> U. Frank-Scholz (Ext.: 2500) <i>Personell</i> J. Peters (Ext.: 2530) <i>Facility Management</i> J. Rath (Ext.: 2528) <i>Purchase</i> H. Vogt (Ext.: 1522) |
| Physical Oceanography <i>Large-scale Circulation</i> Prof. Dr. M. Visbeck (Ext.: 4100) <i>Experimental Oceanography</i> Prof. Dr. P. Brandt (Ext.: 4105) <i>Physical Oceanography</i> Prof. Dr. T. Kanzow (Ext.: 4150) | Chemical Oceanography <i>Chemical Oceanography</i> Prof. Dr. D.W. Wallace (Ext.: 4200) <i>Marine Carbon Cycle</i> Prof. Dr. A. Körtzinger (Ext.: 4205) | Marine Microbiology <i>Marine Microbiology</i> Prof. Dr. J. F. Imhoff (Ext.: 4450) | Magmatic and Hydrothermal Systems <i>Volcanism and Hydrothermalism</i> Prof. Dr. C. W. Devey (Ext.: 2257) <i>Petrology and Geochemistry</i> Prof. Dr. K. Hoernle (Ext.: 2642) | <i>Technical Services</i> F. Holz (Ext.: 2700) |
| Theory and Modelling <i>Ocean Modelling</i> Prof. Dr. C. Böning (Ext.: 4003) <i>Theoretical Oceanography</i> Prof. Dr. R. Greatbatch (Ext.: 4000) | Biological Oceanography <i>Planktology</i> N.N. (Ext.:) <i>Biological Oceanography</i> Prof. Dr. U. Riebesell (Ext.: 4444) <i>Molekular Ecology</i> Prof. Dr. J. La Roche (Ext.: 4212) | Evolutionary Ecology of Mariner Fishes <i>Evolutionary Ecology of Mariner Fishes</i> Prof. Dr. T. Reusch (Ext.: 4550) | | Central Facilities |
| Maritime Meteorology <i>Climate Modelling</i> Prof. Dr. M. Latif (Ext.: 4050) <i>Energy and Water Cycle</i> N.N. (Ext.:) <i>Ocean-Atmosphere Interactions</i> N.N. (Ext.:) <i>Ocean-Mid-Atmosphere Interactions</i> Prof. Dr. K. Krüger (Ext.: 4062) | Biogeochemical Modelling <i>Biogeochemical Modelling</i> Prof. Dr. A. Oschlies (Ext.: 1936) | | | Aquarium & Seals Pool Prof. Dr. T. Reusch (Scient. Head) (Ext.: 4550) M. Gruber (Techn. Head) (Ext.: 1630) |

Applied R & D Projects

| |
|---|
| Energy and Resources Dr. Warner Brückmann (Ext.: 2819) |
| CO₂-Sequestration Technologies Prof. Dr. Klaus Wallmann (Ext.: 2287) |
| Centre for Marine Substances Research (KiWiZ) Prof. Dr. Johannes F. Imhoff (Ext.: 4450) |
| Marine Aquaculture (Nemo) Dr. Catriona Clemesen-Bockelmann (Ext.: 4558) |

Large-scale Research Projects

| | |
|---|-----------------------------------|
| Excellence Cluster "Future Ocean" | |
| Prof. Dr. Martin Visbeck (Ext.: 4100) | |
| Groups at IFM-GEOMAR: | |
| <i>Seafloor Warming</i> | <i>Ocean Acidification</i> |
| Prof. Dr. T. Treude (Ext.: 2837) | Prof. Dr. F. Melzner (Ext.: 4274) |
| <i>Submarine Hazards at Continental Margins</i> | <i>Seafloor Resources</i> |
| Prof. Dr. S. Krastel-Gudegast (Ext.: 2841) | Prof. Dr. L. Rüpke (2845) |
| Collaborative Research Centres | |
| Volatiles and Fluids in Subduction Zones (SFB 574) | |
| Prof. Dr. Kaj Hoernle (Ext.: 2642) | |
| Climate - Biogeochemical Interactions in Tropical Oceans (SFB 754) | |
| Prof. Dr. Douglas Wallace (Ext.: 4200) | |

Research Vessels

| |
|--|
| Dr. K. Lackischewitz (Ext.: 2132) Dr. K. v. Bröckel (Ext.: 4259) |
| Technology and Logistics Centre & Sample Repository Dr. O. Pfannkuche (Scient. Head) (Ext.: 2113) U. Lentz (Techn. Head) (Ext.: 1600) |

Last update:
December 2010

2. Human Resources

Table 2.1

| Employment positions acc. to sources of support and pay/remuneration grade¹⁾ - Personnel (financed by institutional and third-party resources) in terms of full-time equivalents as of [reporting date 31.12.2010] - | | | |
|--|-------------------------------|-----------------------------------|---------------------------------|
| | Total number 2), 3) | Number financed by | |
| | | institutional resources 2) | third-party resources 2) |
| Total (incl. student assistants) | 572,6 | 249,2 | 323,5 |
| 1. Academic and higher management staff | 212,2 | 92,5 | 119,7 |
| - W2 .. W3, C3 .. C4, SDV | 21,0 | 21,0 | 0,0 |
| - W1, C1 .. C2 | 3,0 | 3,0 | 0,0 |
| - I / A16 / E15Ü | 1,0 | 1,0 | 0,0 |
| - Ia / A15 / E15 | 8,5 | 5,0 | 3,5 |
| - Ib / A14 / E14 | 46,5 | 34,5 | 12,0 |
| - IIa / III ⁴⁾ / A13 / E13..E13Ü | 132,2 | 28,0 | 104,2 |
| 2. Doctoral candidates | 77,5 | 2,0 | 75,5 |
| 3. Other staff | 192,2 | 142,0 | 50,2 |
| - IV..III/A10..A12/E10..E12 | 36,8 | 31,0 | 5,8 |
| - V / A8 .. A9 / E8 .. E9 | 89,9 | 59,4 | 30,5 |
| - VI / A7 / E7 | 2,0 | 2,0 | 0,0 |
| - VIII..VII / A5..A6 / E5..E6 | 42,2 | 28,3 | 13,9 |
| - Wage brackets, other staff | 13,3 | 13,3 | 0,0 |
| - Trainees | 8,0 | 8,0 | 0,0 |
| 4. Student assistance | 90,7 | 12,7 | 78,0 |

¹⁾ Employment positions acc. to Bundesangestellten-Tarifvertrag (National Agreement for Public Sector White-Collar Workers) or other collective pay agreements for staff which is financed by institutional or third-party resources (incl. trainees and guest scientists, but excluding diploma students, student assistants und contracts for work and services)

²⁾ In full time equivalents; correct to one decimal place only

³⁾ Values in column 2 („Total number“) for „Total“, „1. Academic and management staff“, „2. Doctoral candidates“ und „3. Other staff“ correspond to the respective values in Table 4.2

⁴⁾ Employment acc. to BAT III until Diplom degree was conferred

Table 2.2

Employment positions acc. to organizational units

- Personnel (financed by institutional and third-party resources) in terms of full-time equivalents as of [reporting date 31.12.2010] -

| Employment positions | Total | Academic and higher management staff ¹ | Doctoral candidates² | Other staff, trainees | Student assistance |
|--|--------------|--|--|------------------------------|---------------------------|
| Entire establishment | 572,6 | 212,2 | 77,5 | 192,2 | 90,7 |
| Research Division 1 | 117,8 | 56,1 | 21,5 | 19,5 | 20,7 |
| Research Division 2 | 138,9 | 54,6 | 26,6 | 36,2 | 21,5 |
| Research Division 3 | 91,1 | 38,2 | 17,1 | 21,6 | 14,1 |
| Research Division 4 | 68,1 | 33,8 | 11,3 | 13,0 | 10,1 |
| Interdisciplinary Project Groups | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| Energy Projects & Director | 56,8 | 22,5 | 1,0 | 17,1 | 16,2 |
| Central Facilities (without administration) | 56,6 | 6,9 | 0,0 | 42,0 | 7,7 |
| Administration | 43,2 | 0,0 | 0,0 | 42,7 | 0,5 |

¹⁾ Employment positions acc. to BAT IIa / TVL13 and above (except doctoral candidates)

²⁾ Doctoral candidates if financed by institutional or third-party resources

| Table 2.3 Personnel - In persons (financed by institutional and third-party resources) acc. to pay/remuneration grade as of [reporting date 31.12.2010] | | | | | | | | | |
|--|--------------|-----------------------------------|-----------------|---------------------|-----------------|------------|-----------------|--------------------------------|---------------------|
| | Total number | Financed by third-party resources | | Temporary contracts | | Women | | Women with temporary contracts | |
| | | Number | % ¹⁾ | Number | % ¹⁾ | Number | % ¹⁾ | Number | % ^{1), 2)} |
| Total | 762 | 462 | 61 % | 558 | 73 % | 369 | 48 % | 293 | 79,4 % |
| 1. Academic and higher management staff | 239 | 137 | 57 % | 166 | 69 % | 87 | 36 % | 79 | 91 % |
| - W2 .. W3, C3 .. C4, SDV | 21 | 0 | 0 % | 1 | 5 % | 0 | 0 % | 0 | 0 % |
| - W1, C1 .. C2 | 3 | 0 | 0 % | 3 | 100 % | 2 | 67 % | 2 | 100 % |
| - I / A16 / E15Ü | 1 | 0 | 0 % | 0 | 0 % | 0 | 0 % | 0 | 0 % |
| - Ia / A15 / E15 | 9 | 3 | 33 % | 3 | 33 % | 3 | 33 % | 1 | 33 % |
| - Ib / A14 / E14 | 48 | 10 | 21 % | 11 | 23 % | 7 | 15 % | 2 | 28,5 % |
| - IIa / III / A13 / E13 .. E13Ü | 157 | 124 | 79 % | 148 | 94 % | 75 | 48 % | 74 | 98,6 % |
| 2. Doctoral candidates | 149 | 146 | 98 % | 149 | 100 % | 79 | 53 % | 79 | 100,0% |
| 3. Other staff | 223 | 52 | 23 % | 92 | 41 % | 116 | 52 % | 48 | 41,4 % |
| - IV..III / A10..A12 / E10..E12 | 37 | 6 | 16 % | 8 | 22 % | 5 | 14 % | 2 | 40 % |
| - V / A8 .. A9 / E8 .. E9 | 108 | 32 | 30 % | 40 | 37 % | 72 | 67 % | 25 | 34,7 % |
| - VI / A7 / E7 | 3 | 0 | 0 % | 0 | 0 % | 0 | 0 % | 0 | 0 % |
| - VIII .. VII / A5 .. A6 / E5 .. E6 | 51 | 14 | 27 % | 27 | 53 % | 31 | 61 % | 16 | 51,6 % |
| - Wage groups, other staff | 16 | 0 | 0 % | 9 | 56 % | 5 | 31 % | 2 | 40 % |
| - Trainees | 8 | 0 | 0 % | 8 | 100 % | 3 | 38 % | 3 | 100,0% |
| 4. Student Assistants | 151 | 127 | 84 % | 151 | 100 % | 87 | 58 % | 87 | 100,0% |

¹⁾ Correct to one decimal place only

²⁾ Women with temporary contracts / number of women

Table 2.4

Academic and higher management staff, age structure (in persons)

| | Total | | < 30 | | 30 -39 | | 40 -49 | | 50 -59 | | > 59 | |
|--|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|-------|-------|
| | Total | Women | Total | Women | Total | Women | Total | Women | Total | Women | Total | Women |
| Entire establishment | 239 | 87 | 19 | 9 | 102 | 50 | 63 | 21 | 49 | 7 | 6 | 0 |
| Research Division 1 | 64 | 16 | 5 | 2 | 29 | 8 | 14 | 3 | 15 | 3 | 1 | 0 |
| Research Division 2 | 62 | 22 | 4 | 1 | 29 | 14 | 16 | 5 | 11 | 2 | 2 | 0 |
| Research Division 3 | 48 | 26 | 7 | 5 | 17 | 12 | 12 | 7 | 10 | 2 | 2 | 0 |
| Research Division 4 | 38 | 8 | 2 | 0 | 14 | 8 | 13 | 0 | 8 | 0 | 1 | 0 |
| Interdisciplinary Project Groups | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Energy Projects & Director | 22 | 13 | 1 | 1 | 12 | 7 | 6 | 5 | 3 | 0 | 0 | 0 |
| Central Facilities (without Admin.) | 5 | 2 | 0 | 0 | 1 | 1 | 2 | 1 | 2 | 0 | 0 | 0 |
| Administration | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

3. Budgets & Projects

3.1 Budget Tables

| Table 3.1: Revenues and expenditures (in € 1,000) | | | | | |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 2010 | 2009 | 2008 | 2007 | 2006 |
| Revenues | | | | | |
| Total | 60,851.4 | 59,306.7 | 57,289.8 | 49,610.2 | 46,874.0 |
| 1. Institutional support * | 32,907.9 | 32,654.5 | 28,527.9 | 28,198.6 | 30,746.0 |
| - German "Länder" | 15,744.5 | 16,920.3 | 15,138.0 | 15,632.4 | 14,731.8 |
| - Federal Government | 17,163.4 | 15,734.2 | 12,849.9 | 12,566.2 | 12,314.2 |
| - Other institutional support | 0.0 | 0.0 | 540.0 | 0.0 | 3,700.0 |
| <i>Proportion of institutional support in overall financial resources (in %)</i> | <i>54.1%</i> | <i>55.1%</i> | <i>49.8%</i> | <i>56.8%</i> | <i>65.6%</i> |
| 2. Third-party resources | 27,943.5 | 26,652.2 | 28,761.9 | 21,411.6 | 16,128.0 |
| 2.1 Research support | 19,341.5 | 19,034.5 | 17,410.0 | 16,821.7 | 13,824.0 |
| - DFG (German Research Foundation) | 5,250.3 | 7,098.7 | 4,712.5 | 6,409.0 | 2,952.0 |
| - DFG-SFB 574 and 754 | 1,536.2 | 3,785.2 | 2,948.9 | 1,439.0 | 3,244.5 |
| - Federal Government | 10,335.0 | 6,380.8 | 5,877.8 | 5,539.4 | 4,599.5 |
| - German "Länder" | 324.8 | 311.3 | 418.5 | 1,499.1 | 1,307.3 |
| - EU project funding | 1,713.9 | 1,362.4 | 3,266.4 | 1,692.8 | 1,620.5 |
| - Foundations. other research support | 181.3 | 96.1 | 185.9 | 242.4 | 100.2 |
| - Joint projects with Kiel University | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.2 Services, contracts, licences, publications | 7,186.7 | 5,721.8 | 9,441.6 | 3,098.0 | 1,098.4 |
| - Contracts with private enterprises or public authorities. cooperation with industry | 7,184.9 | 5,719.9 | 9,440.3 | 3,098.0 | 1,098.4 |
| - Patent exploitation, licences | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Publications | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Other services | 1.8 | 1.9 | 1.3 | 0.0 | 0.0 |

*) 2009 incl. Konjunkturprogramm
continued on next page.

Table 3.1: Revenues and expenditures (continued)

(in € 1,000)

| | 2010 | 2009 | 2008 | 2007 | 2006 |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| 2.3 Other third-party resources | 1,415.3 | 1,895.9 | 1,910.3 | 1,491.9 | 1,205.6 |
| - Aquarium | 138.4 | 147.7 | 126.1 | 90.0 | 71.7 |
| - Charter for submersibles | 0.0 | 0.0 | 0.0 | 47.8 | 44.1 |
| - Misc, income (interest. etc.) | 27.6 | 30.8 | 71.8 | 0.7 | 1.1 |
| - Rentals | 0.0 | 0.0 | 0.0 | 1,350.5 | 1,036.1 |
| - Charter for research vessels | 1,249.3 | 1,714.8 | 1,691.0 | 0.0 | 51.4 |
| - Charter for submersibles | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Sale of vehicles | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 |
| - Other sales | 0.0 | 0.0 | 21.4 | 2.9 | 1.2 |
| <i>Proportion of third-party funding in overall financial resources (in %)</i> | <i>45.9%</i> | <i>44.9%</i> | <i>50.2%</i> | <i>43.2%</i> | <i>34.4%</i> |
| 3. Withdrawal from reserves and the like | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Expenditures | 58,428.5 | 59,114.6 | 52,739.7 | 48,096.8 | 45,148.2 |
| 4.1 Personnel | 28,386.4 | 27,663.2 | 23,201.3 | 19,903.1 | 18,291.7 |
| 4.2 Materials, supplies, equipment | 22,491.4 | 23,413.5 | 20,875.4 | 18,062.9 | 16,321.3 |
| 4.3 Investments (except building investments) | 6,296.2 | 5,302.1 | 6,522.0 | 7,757.3 | 6,322.7 |
| 4.4 Building investments | 477.0 | 2,027.9 | 1,210.9 | 934.5 | 968.0 |
| 4.5 Special Positions (where applicable) | 777.5 | 707.9 | 930.1 | 0.0 | 0.0 |
| 4.6 Allocations to reserves and the like | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4.7 DFG-SFB 574 and 754 | 0.0 | 0.0 | 0.0 | 1,439.0 | 3,244.5 |
| 4.8 Joint Projects with Kiel University | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4.9 For information only: DFG charges | 671.8 | 632.3 | 611.5 | 600.8 | 588.2 |

| Table 3.2: Project Funding (Revenues in € 1,000) | | | | | |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 2010 | 2009 | 2008 | 2007 | 2006 |
| Total | 27,943.5 | 26,652.2 | 28,761.9 | 21,411.6 | 16,128.0 |
| - DFG (German Research Foundation) | 5,250.3 | 7,098.7 | 4,712.5 | 6,409.0 | 2,952.0 |
| - DFG-SFB 574 and 754 | 1,536.2 | 3,785.2 | 2,948.9 | 1,439.0 | 3,244.5 |
| - Federal Government | 10,335.0 | 6,380.8 | 5,877.8 | 5,539.4 | 4,599.5 |
| - German "Länder" | 324.8 | 311.3 | 418.5 | 1,499.1 | 1,307.3 |
| - EU project funding | 1,713.9 | 1,362.4 | 3,266.4 | 1,692.8 | 1,620.5 |
| - Foundations, other research support | 181.3 | 96.1 | 185.9 | 242.4 | 100.2 |
| - Joint projects with Kiel University | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Services, contracts, licences, publications | 7,186.7 | 5,721.8 | 9,441.6 | 3,098.0 | 1,098.4 |
| - Other third-party resources | 1,415.3 | 1,895.9 | 1,910.3 | 1,491.9 | 1,205.6 |
| RD 1: Ocean Circulation and Climate Dynamics | 5,174.2 | 6,392.1 | 3,855.3 | 3,769.9 | 2,937.7 |
| - DFG (German Research Foundation) | 1,181.9 | 2,282.0 | 992.5 | 1,687.9 | 621.3 |
| - DFG-SFB 574 and 754 | 266.4 | 1,351.8 | 85.9 | 71.5 | 1,702.6 |
| - Federal Government | 2,572.5 | 2,140.0 | 1,883.0 | 1,715.9 | 353.2 |
| - German "Länder" | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - EU project funding | 985.6 | 486.2 | 726.7 | 202.1 | 72.3 |
| - Foundations, other research support | 2.0 | 0.0 | 26.5 | 7.4 | 0.0 |
| - Joint projects with Kiel University | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Services, contracts, licences, publications | 165.8 | 132.1 | 140.7 | 85.1 | 188.3 |
| - Other third-party resources | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

continued on next page.

Table 3.2: Project Funding (continued)

- classified by organisational unit -

(Revenues in € 1,000)

| | 2010 | 2009 | 2008 | 2007 | 2006 |
|---|----------------|----------------|----------------|----------------|----------------|
| RD 2: Marine Biogeochemistry | 9,492.4 | 6,261.3 | 6,897.5 | 4,027.3 | 3,270.0 |
| - DFG (German Research Foundation) | 1,349.1 | 1,628.8 | 1,570.5 | 1,648.1 | 529.7 |
| - DFG-SFB 574 and 754 | 680.8 | 869.4 | 2,164.7 | 276.9 | 380.2 |
| - Federal Government | 5,990.4 | 2,808.8 | 1,938.0 | 1,756.1 | 1,127.9 |
| - German "Länder" | -0.6 | -3.4 | 96.7 | 0.0 | 29.8 |
| - EU project funding | 386.6 | 940.0 | 1,025.7 | 244.0 | 1,038.6 |
| - Foundations, other research support | 12.8 | 2.4 | 0.0 | 0.0 | 0.6 |
| - Joint projects with Kiel University | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Services, contracts, licences, publications | 1,073.3 | 15.3 | 101.9 | 102.2 | 163.2 |
| - Other third-party resources | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| RD 3: Marine Ecology | 4,222.5 | 2,885.9 | 4,140.2 | 3,754.7 | 2,628.5 |
| - DFG (German Research Foundation) | 684.3 | 479.0 | 512.2 | 555.6 | 217.0 |
| - DFG-SFB 574 and 754 | 18.0 | 60.5 | 2.5 | 0.0 | 0.0 |
| - Federal Government | 296.6 | 124.3 | 127.9 | 403.1 | 773.1 |
| - German "Länder" | 325.4 | 296.5 | 288.5 | 1,479.0 | 1,204.0 |
| - EU project funding | 201.8 | -154.8 | 1,188.1 | 836.3 | 99.5 |
| - Foundations, other research support | 138.7 | 51.7 | 153.1 | 236.6 | 99.6 |
| - Joint projects with Kiel University | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Services, contracts, licences, publications | 2,557.7 | 2,028.7 | 1,867.9 | 244.1 | 235.3 |
| - Other third-party resources | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 3.2: Project Funding (continued)

- classified by organisational unit -

(Revenues in € 1,000)

| | 2010 | 2009 | 2008 | 2007 | 2006 |
|---|----------------|----------------|----------------|----------------|----------------|
| RD 4: Dynamics of the Ocean Floor | 3,630.4 | 4,511.9 | 4,288.1 | 5,501.0 | 5,570.3 |
| - DFG (German Research Foundation) | 1,446.4 | 1,884.9 | 1,373.0 | 2,306.4 | 1,385.4 |
| - DFG-SFB 574 and 754 | 318.4 | 965.6 | 593.1 | 1,090.6 | 1,161.7 |
| - Federal Government | 1,239.7 | 1,288.4 | 1,691.7 | 1,362.8 | 2,218.6 |
| - German "Länder" | 0.0 | -1.8 | 33.3 | 20.1 | 73.5 |
| - EU project funding | 77.9 | 91.0 | 211.4 | 410.4 | 410.1 |
| - Foundations, other research support | 0.0 | 7.3 | 0.0 | -1.6 | 0.0 |
| - Joint projects with Kiel University | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Services, contracts, licences, publications | 548.0 | 276.5 | 385.6 | 312.3 | 321.0 |
| - Other third-party resources | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Central Facilities | 5,424.0 | 6,601.0 | 9,580.8 | 4,358.7 | 1,721.5 |
| - DFG (German Research Foundation) | 588.6 | 824.0 | 264.3 | 211.0 | 198.6 |
| - DFG-SFB 574 and 754 | 252.6 | 537.9 | 102.7 | 0.0 | 0.0 |
| - Federal Government | 235.8 | 19.3 | 237.2 | 301.5 | 126.7 |
| - German "Länder" | 0.0 | 20.0 | 0.0 | 0.0 | 0.0 |
| - EU project funding | 62.0 | 0.0 | 114.5 | 0.0 | 0.0 |
| - Foundations, other research support | 27.8 | 34.7 | 6.3 | 0.0 | 0.0 |
| - Joint projects with Kiel University | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Services, contracts, licences, publications | 2,841.9 | 3,269.2 | 6,945.5 | 2,354.3 | 190.6 |
| - Other third-party resources | 1,415.3 | 1,895.9 | 1,910.3 | 1,491.9 | 1,205.6 |

Appendices

3.2 Projects

Projects - Research Division 1: Ocean Circulation and Climate Dynamics

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--|---|----------------|-----------------|-------------------------|---------------------|
| 1 | 446 JAP 113/350/0-1, Golfstrom | Wissenschaftliche Zusammenarbeit mit Japan (JSPS) Kooperationsprojekt: Atmospheric response to Gulf Stream and Kuroshio variability: Its role in the climate system | DFG | Dr. Keenlyside | 01.08.2010 - 01.10.2011 | 23.260,00 |
| 2 | BL 1112/1-1 HOSINIL | Rekonstruktion von Klimaschwankungen im nördlichen subtropischen Afrika während des Holozäns auf Zeitskalen von Jahreszeiten bis Jahrtausenden: Zusammenhänge zwischen Niederschlag, Vegetation und Erosionsdynamik anhand von laminierten Sedimenten des Nil-Schlamm | DFG | Dr. Blanchet | 01.04.2010 - 30.09.2012 | 194.330,00 |
| 3 | BO 907/4-1 R`Eddy | Effects of eddy variability on the response of the ACC to global warming (R`Eddy) | DFG | Prof. Böning | 01.01.2010 - 31.12.2012 | 243.150,00 |
| 4 | CLUSTER - 2007/2 CP07A47 /Glider Swarm /30 | CLUSTER - Glider Swarm Pilot Project | DFG | Dr. Karstensen | 01.02.2008 - 31.03.2010 | 33.550,00 |
| 5 | CLUSTER - 2008/1 CP0801 Baltic Sea/66 | Foraminiferal shell loss in the Flensburg Fjord (SW Baltic Sea). Living benthic communities under the risk due to acidification | DFG | Dr. Schönfeld | 01.01.2009 - 31.12.2010 | 50.000,00 |
| 6 | CLUSTER - 2008/1 CP08189 Baltic Sea Area 1970-2008 | Detailed assesement of climate variabiliy of Baltic Sea area for the period 1970-2008 | DFG | Dr. Lehmann | 01.01.2009 - 31.12.2010 | 50.000,00 |
| 7 | CLUSTER - 2009/1 CP0938 Glider fleet /79 | Glider fleet to observe sub-mesoscale physical-biogeochemical coupling in the tropical ocean | DFG | Prof. Kanzow | 01.11.2009 - 30.06.2011 | 100.000,00 |
| 8 | CLUSTER - Datenmanagerin Pina Springer /61 | Einstellung Datenmanagerin: Pina Springer | DFG | Prof. Visbeck | 15.10.2008 - 30.10.2011 | 178.850,00 |
| 9 | CLUSTER - Overhead-Sprecher | Cluster Overhead Sprecher | DFG | Prof. Visbeck | 01.01.2007 - 31.10.2011 | 906.750,00 |
| 10 | DE 1369/1-1, DFG-Nachwuchsgruppe | Antrag im Rahmen des Emmy Noether-Programms: Diapyknische Vermischungsprozesse in den Auftriebsgebieten des tropischen Atlantiks. | DFG | Dr. Dengler | 01.08.2008 - 31.07.2011 | 368.680,00 |
| 11 | DO 1038/2-1, Wechselwirkung tropischer Ozeane | Wechselwirkung des tropischen Indischen Ozeans und des tropischen Atlantischen Ozeans mit ENSO | DFG | Prof. Dommenges | 30.01.2007 - 28.02.2010 | 92.730,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|---|---|----------------|-------------------|-------------------------|---------------------|
| 12 | DO 1038/5-1 Atmosph. Zirkulation im Klimawandel | Moden der nördlichen atmosphärischen Zirkulation im Rahmen des Klimawandels | DFG | Prof. Dommengeset | 01.09.2009 - 31.08.2012 | 111.045,00 |
| 13 | DU 129/33-1, Leibniz Preis Dullo | Leibniz Preis | DFG | Prof. Dullo | 30.06.2002 - 20.01.2010 | 1.550.000,00 |
| 14 | DU 129/41-1 CHECREEF | The last deglacial sea-level and climatic changes. Coral Reef records in the south Pacific: Tahiti (French Polynesia) - IOPD- Expedition #310-, Australian Great Barrier Reef- IODP Proposal #519 | DFG | Prof. Dullo | 01.10.2007 - 30.09.2010 | 114.000,00 |
| 15 | DU 129/45-3, Isolde | Isotope Signature of calcareous Organisms from upper and lower carbonate mound sediments | DFG | Prof. Dullo | 01.06.2010 - 31.08.2010 | 52.370,00 |
| 16 | ED 159/2-2 ACC-EDDIES 2 | Wirbelgetriebene Transporte im Antarktischen Zirkumpolarstrom | DFG | Dr. Eden | 01.10.2010 - 31.12.2010 | 44.300,00 |
| 17 | ED 159/3-1 | Impact of physically relevant and numerically induced diapycnal mixing and meso-scale dissipation on meridional mass and tracer transports in the Southern Ocean | DFG | Dr. Eden | 01.01.2010 - 31.12.2012 | 20.200,00 |
| 18 | FR 1198/2-2, Weathering and water mass mixing | Tracing continental weathering and water mass mixing in the Atlantic sector of the Southern Ocean with neodymium and hafnium isotopes | DFG | Prof. Frank | 01.10.2009 - 30.09.2010 | 40.220,00 |
| 19 | FR 1198/4-1, MOW | Variability of the Mediterranean Outflow glacial-interglacial and millennial time scales | DFG | Prof. Frank | 01.08.2007 - 31.07.2010 | 132.700,00 |
| 20 | FR 1198/7-1 Late Cretaceous | The Campanian - Maastrichtian (Late Cretaceous) climate transition: the history of palaeoceanographic changes | DFG | Prof. Frank | 01.01.2010 - 31.12.2011 | 8.400,00 |
| 21 | FR 1198/8-1 Evolution of CAS | Reconstruction of the Timing of Water Mass Exchange during Progressive Closure of the Central American Seaway in Pliocene | DFG | Prof. Frank | 01.10.2010 - 30.09.2012 | 174.100,00 |
| 22 | GR 3653/2-1 | Influence of the ocean surface velocity dependence of the wind stress on the dynamics of the Southern Ocean | DFG | Prof. Greatbatch | 01.01.2010 - 31.12.2012 | 182.800,00 |
| 23 | HA 5751/2-1 PEAT | Erhaltung geochemischer Proxies in Foraminiferen: Karbonatdiagenese aus dem IODP Pacific Equatorial Age Transect (PEAT) | DFG | Dr. Hathorne | 01.10.2010 - 30.09.2013 | 127.250,00 |
| 24 | HA 5938/1-1, Arctic-Atlantic X-Change | Orbital variability and high latitude circulation and climate change during the Pliocene-Pleistocene | DFG | Prof. Frank | 01.09.2009 - 31.08.2011 | 86.550,00 |
| 25 | KA 3204/2-1 Mid-Atlantic Ridge | Process study of vertical mixing near the floor inside the central valley of the Mid-Atlantic Ridge near 37° N | DFG | Prof. Kanzow | 01.11.2010 - 30.10.2013 | 287.783,00 |
| 26 | KE 1471/2-1, Emmy Noether Programm | Mechanismus and predictability of North Atlantic Decadal Climate variability | DFG | Dr. Keenlyside | 01.01.2008 - 31.12.2012 | 926.950,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|---|--|----------------|---------------------|-------------------------|---------------------|
| 27 | KH 280/1-1 PLIONAMOC | Mid-Pliocene North Atlantic water mass distribution and Meridional Overturning Circulation | DFG | Dr. Khelifi | 01.07.2010 - 30.06.2011 | 96.760,00 |
| 28 | KR 3488/1-1 Ocean Mixing observed | Ocean Mixed observed with Seismic Oceanography and Hydrographic Measurements | DFG | Dr. Krahmann | 01.03.2007 - 28.02.2010 | 131.884,00 |
| 29 | LA 871/4-1 klimatische Variabilität Barentsee | Mechanismen der postglazialen klimatischen Variabilität in der Barentsee (bilaterale Kooperation mit Russland) | DFG | Prof. Latif | 01.01.2010 - 31.12.2010 | 9.170,00 |
| 30 | LA 871/5-2 ENSO | Wechselwirkung im ENSO Recharge Oscillator Model | DFG | Prof. Latif | 07.07.2010 - 30.06.2010 | 73.600,00 |
| 31 | M83/1+2 Koordination | M83/1: Deliberate-tracer survey and hydrography in the northern tropical Atlantic (GUTRE-IV) M 83/2: Biodiversität und biologische Produktion an einem flachen nordostatlantischen Seamount (Ampere Seamount) | DFG | Prof. Visbeck | 01.06.2010 - 31.03.2011 | 4.626,00 |
| 32 | MA 2225/3-2 | Forschergruppe "Saharan Mineral Dust Experiment SAMUM" für das TP3 "Modeling and observation of Sahara Dust transport, modification and radiative impact" | DFG | Prof. Macke | 01.03.2007 - 28.02.2010 | 89.700,00 |
| 33 | NI 1248/1-1 ICIS | Interglacial conditions of the Iceland Sea | DFG | Dr. van Nieuwenhove | 01.05.2009 - 31.10.2010 | 104.750,00 |
| 34 | NU 60/14-2, Indonesien Gateway 2 | The late Miocene to Pliocene constriction of the Indonesian Gateway and its impact on ocean circulation and climate | DFG | Dr. Nürnberg | 01.02.2009 - 31.01.2010 | 49.150,00 |
| 35 | NU 60/17-3 LOOP 3 | Die Variabilität des LOOP-Stromsystems und seine Beziehung zur thermohalinen Zirkulation und zum Mississippi-Ausstrom | DFG | Dr. Nürnberg | 01.08.2010 - 31.03.2012 | 78.505,00 |
| 36 | Scho 605/7-1 Benthic foraminifera | Benthic foraminifera under elevated CO ₂ conditions | DFG | Dr. Schönfeld | 01.10.2010 - 30.09.2012 | 101.932,00 |
| 37 | SP 526/3-2, Arctic Freshwater | Impact of Arctic Freshwater (Fortsetzungsantrag) | DFG | Dr. Spielhagen | 01.11.2008 - 31.10.2010 | 95.850,00 |
| 38 | SP 526/4-2, HOVAG 2 | Holocene Variability in the Arctic Gateway | DFG | Dr. Spielhagen | 01.02.2010 - 31.01.2012 | 108.000,00 |
| 39 | WE 2686/5-1 PHEWEX | Centennial-scale variability of past heat and water mass exchange across the eastern equatorial Atlantic Basin | DFG | Prof. Frank | 01.09.2010 - 31.08.2013 | 13.300,00 |
| 40 | WE 2686/5-2 PHEWEX | Centennial-scale variability of past heat and water mass exchange across the eastern equatorial Atlantic Basin | DFG | Prof. Frank | 01.01.2009 - 31.12.2011 | 160.450,00 |
| 41 | Joint Outreach Programm /ÖA | Volatile Fluide in Subduktionszonen: Klima-Rückkopplungen und Auslösemechanismen von Naturkatastrophen. Teilprojekt ÖA "A Joint Outreach Program of SFB 754 & 574" | DFG-SFB574 | Dr. Dengg | 01.01.2009 - 30.06.2012 | 324.600,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|-------------------------------|---|----------------|---------------|-------------------------|---------------------|
| 42 | TP C05 | TP C05. Modellierung von Klimaeffekten/Rückkopplungen und Subduktionsprozessen | DFG-SFB754 | Prof. Krüger | 01.07.2008 - 30.06.2012 | 296.030,00 |
| 43 | TP A01 | TP A01 - Antwort des gekoppelten Systems Klima-Biogeochemie in den Tropen auf globaler Erwärmung | DFG-SFB754 | Prof. Latif | 01.01.2008 - 31.12.2011 | 152.000,00 |
| 44 | TP A02 | TP A02: Hochaufgelöste Modellierung der physikalisch-biogeochemischen Interaktionen im tropischen Ozean | DFG-SFB754 | Prof. Böning | 01.01.2008 - 31.12.2011 | 310.000,00 |
| 45 | TP A03 | TP A03: Diapynische und Isopyknische Vermischung an der Südflanke des Guinea Auftriebsgebietes: Ein Tracer Release Experiment | DFG-SFB754 | Prof. Visbeck | 01.01.2008 - 31.12.2011 | 193.200,00 |
| 46 | TP A04 | TP A04: Trends und Variabilität von Sauerstoffinventar und -versorgung in Sauerstoffminimumzonen | DFG-SFB754 | Prof. Brandt | 01.01.2008 - 31.12.2011 | 311.500,00 |
| 47 | TP A05 | TP A05: Bedeutung der Wassermassenstruktur im östlichen tropischen Pazifik für Sauerstoffvariabilität und geochemische Zusammensetzung | DFG-SFB754 | Dr. Stramma | 01.01.2008 - 31.12.2011 | 284.900,00 |
| 48 | TP A05 | TP A05: Bedeutung der Wassermassenstruktur im östlichen tropischen Pazifik für Sauerstoffvariabilität und geochemische Zusammensetzung | DFG-SFB754 | Prof. Frank | 01.01.2008 - 31.12.2011 | 284.900,00 |
| 49 | TP A06 | TP A06: Klimawandel und Sauerstoffminimum-Bedingungen auf 100-1000 Jahre Zeitskalen | DFG-SFB754 | Prof. Dullo | 01.01.2008 - 31.12.2011 | 200.300,00 |
| 50 | TP B07 | TP B07: Biogeochemische und mikrobiologische Rekonstruktion des Sauerstoffgehalts und der Redoxbedingungen der Vergangenheit in Küstenauftriebsgebieten | DFG-SFB754 | Prof. Frank | 01.01.2008 - 31.12.2011 | 334.600,00 |
| 51 | TP Z02 | TP Z02: Expeditionskosten für die SFB Schiffsreisen | DFG-SFB754 | Dr. Stramma | 01.01.2008 - 31.12.2011 | 438.300,00 |
| 52 | 03CIE004 CIESM | CIESM: Internationale Kommission für die wissenschaftliche Erforschung des Mittelmeeres. Deutscher Beitrag | BMBF | Prof. Dullo | 01.01.2010 - 31.12.2012 | 187.500,00 |
| 53 | 03F0605B-Nordatlantik, AP 1.1 | Verbundprojekt: Nordatlantik - Teil des Erdsystems; Vorhaben: Klimaschwankungen und ihre Auswirkungen auf die thermohaline Zirkulation im Nordatlantik | BMBF | Prof. Latif | 01.10.2009 - 30.09.2012 | 253.058,00 |
| 54 | 03F0605B-Nordatlantik, AP 1.2 | Verbundprojekt: Nordatlantik - Teil des Erdsystems; Vorhaben: Klimaschwankungen und ihre Auswirkungen auf die thermohaline Zirkulation im Nordatlantik | BMBF | Prof. Brandt | 01.10.2009 - 30.09.2012 | 528.147,00 |
| 55 | 03F0605B-Nordatlantik, AP 2.2 | Verbundprojekt: Nordatlantik - Teil des Erdsystems; Vorhaben: Klimaschwankungen und ihre Auswirkungen auf die thermohaline Zirkulation im Nordatlantik | BMBF | Prof. Visbeck | 01.10.2009 - 30.09.2012 | 255.775,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|---|---|----------------|---------------|-------------------------|---------------------|
| 56 | 03F0605B-Nordatlantik, AP 3.2 | Verbundprojekt: Nordatlantik - Teil des Erdsystems; Vorhaben: Klimaschwankungen und ihre Auswirkungen auf die thermohaline Zirkulation im Nordatlantik | BMBF | Prof. Böning | 01.10.2009 - 30.09.2012 | 202.648,00 |
| 57 | 03F0611A SOPRAN II - TP 2 | SOPRAN II TP 2: The contribution of physical processes to the emissions of trace gases in upwelling areas of the equatorial Atlantic Ocean: A N ₂ O case study | BMBF | Prof. Brandt | 01.02.2010 - 31.01.2013 | 136.414,25 |
| 58 | 03F0611A SOPRAN II - TP 4 | SOPRAN II TP4: Die Reaktion von kleinen und meso-skalierten Prozessen in der oberen Ozeanschicht auf atmosphärischen Antrieb | BMBF | Dr. Eden | 01.02.2010 - 31.01.2013 | 102.546,00 |
| 59 | 03F0624I MoLab | Modulares multidisziplinäres Meeresboden-Observatorium (MoLab) | BMBF | Prof. Dullo | 01.05.2010 - 31.12.2010 | 352.404,00 |
| 60 | 03F0624I MoLab | Modulares multidisziplinäres Meeresboden-Observatorium (MoLab) | BMBF | Prof. Visbeck | 01.05.2010 - 31.12.2010 | 604.903,00 |
| 61 | 03G0205 SO 205 Mangan | SO 205: Erstellung von Zeitreihen an Manganknollen mittels radiogener (Sr, NS usw.) und nicht-traditionellen Isotopensystemen ($\delta^{88/86}\text{Sr}$, $\delta^{98/100}\text{Mo}$) | BMBF | Prof. Frank | 01.02.2010 - 31.01.2013 | 65.625,00 |
| 62 | 03G0639A - Verbundvorhaben Laptev See POLYNJA | Verbundprojekt: System Laptev See POLYNJA- Eurasische Schelfmeere im Umbruch - Ozeanische Fronten und Polynjasysteme in der Laptev See; Vorhaben: TP 1: Jahreszeitliche Abläufe und Koordination | BMBF | Dr. Kassens | 01.04.2007 - 31.03.2010 | 2.321.798,00 |
| 63 | 03G0672A KALMAR II TP1 | KALMAR II Leitantrag - Kurile Kamchatka an Aleuten Marginal Sea Island Arc Systems: Geodynamic and Climate Interaction in Space and Time | BMBF | Prof. Dullo | 01.01.2009 - 31.12.2011 | 390.688,00 |
| 64 | 03G0672A KALMAR II TP4 | KALMAR II TP 4 - Kurile Kamchatka an Aleuten Marginal Sea Island Arc Systems: Geodynamic and Climate Interaction in Space and Time | BMBF | Dr. Nürnberg | 01.01.2009 - 31.12.2011 | 208.285,00 |
| 65 | 03G0759A Polynja II | System-Laptev See: Eurasische Schelfmeere im Umbruch - Ozeanische Fronten und Polynjasysteme in der Laptev-See - Teilprojekt 1: Jahreszeitliche Abläufe und Koordination, Verbundvorhaben "Russisch-deutsche Zusammenarbeit" Anschlusszuwendung | BMBF | Dr. Kassens | 01.04.2010 - 31.03.2012 | 1.823.267,00 |
| 66 | 03PL040A OSL-Stipendienprogramm | OSL: Stipendienprogramm für das Otto-Schmidt-Labor für Polar- und Meeresforschung: Umweltsysteme im Umbruch | BMBF | Dr. Kassens | 01.01.2009 - 31.12.2011 | 637.050,00 |
| 67 | 3509820300 Ökosystemgerechtes Fischereimanagement | Ökosystemgerechtes Fischereimanagement in marinen Schutzgebieten | BMBF | Prof. Visbeck | 01.09.2009 - 30.11.2011 | 242.099,00 |
| 68 | 50733296 Stipendiaten POMOR 2 | Stipendien für Teilnehmer und Absolventen deutscher Studiengänge im Ausland | BMBF | Dr. Kassens | 01.07.2010 - 30.06.2011 | 79.390,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|---|---|----------------|----------------|-------------------------|---------------------|
| 69 | Akademie TP Polynja 03G0639D | Unterauftrag Akademie Mainz: Zur Auswertung erhobener Isotopendaten und Durchführung der noch ausstehenden Salzgehalts und Isotopenmessungen. Im Zusammenhang mit dem BMBF Teilprojekt Polynja | BMBF | Dr. Spielhagen | 01.10.2009 - 31.03.2010 | 42.983,93 |
| 70 | AUS 10/040 Koop Australien | Struktur und Entwicklung von Dipol-Anomalien im Indischen Ozean in hochauflösenden Ozeanmodellen (Internationale Zusammenarbeit in Bildung und Forschung mit Australien) | BMBF | Prof. Böning | 01.09.2010 - 31.03.2012 | 4.336,00 |
| 71 | BALTIC WAY | ERANET-BOUNS: Verbundprojekt BONUS-174: BALTICWAY - Die Bedeutung von Strömungen für das Umweltmanagement für die maritime Industrie im Ostseegebiet; Vorhaben: TP1 | BMBF | Dr. Lehmann | 01.01.2009 - 31.12.2011 | 127.894,00 |
| 72 | CHL 09/017 Koop. Chile | Wissenschaftliche und technologische Aspekte der Nutzung von autonomen Unterwasserfahrzeuten (Glidern) zur Untersuchung von sauerstoffarmen Zonen im Atlantischen und Pazifischen Ozean | BMBF | Dr. Karstensen | 01.04.2010 - 31.12.2010 | 7.180,00 |
| 73 | KEI Kiel Earth Institute | Kiel Earth Institute (KEI): Forschung und Beratung im Spannungsfeld von Umwelt, Gesellschaft und Wirtschaft | BMBF | Prof. Visbeck | 01.01.2008 - 31.03.2010 | 100.000,00 |
| 74 | RUS 10/002 POMOR II | POMOR - Deutsch-russischer Masterstudiengang für angewandte Meeres- und Polarwissenschaften | BMBF | Dr. Kassens | 01.05.2010 - 31.10.2011 | 145.910,00 |
| 75 | SO 213 - SOPATRA | SO 213 - SOPATRA & FOUNDATIN IV. Verbundprojekt SOPATRA: Rekonstruktion der pleistozänen atmosphärisch-ozeanischen Zirkulation im Südpazifik; Vorhaben: Paläotemperaturen und -salinitäten in der ozeanischen Deckschicht, Rekonstruktion der Tiefenwasserzirkulation | BMBF | D. Nürnberg | 01.11.2010 - 31.12.2012 | 288.693,00 |
| 76 | SUA 07/004 Südafrika | Das Agulhas-System als Schlüsselregion der globalen ozeanischen Zirkulation | BMBF | Dr. Biastoch | 04.04.2008 - 31.03.2011 | 12.408,00 |
| 77 | 3508850700 Meeresnaturschutz in Nord-+ Ostsee | Klimawandel-bedingte Anforderungen an Maßnahmen des Meeresnaturschutzes in Nord- und Ostsee | BfN | Prof. Visbeck | 01.10.2008 - 31.12.2010 | 364.367,58 |
| 78 | SAF Climate Monitoring | Associated Scientists of the SAF Climate Monitoring | DWD | Prof. Macke | 01.09.2009 - 31.08.2010 | 19.035,00 |
| 79 | 18122008 My Ocean | My Ocean - Development and pre-operational validation of upgraded GMES Marine Core Services and capabilities | EU | Prof. Böning | 01.01.2009 - 31.03.2012 | 195.457,00 |
| 80 | 211597 EuroArgo WP3,6,7 | Global Ocean Observing Infrastructure; EuroArgo Preparatory Phase; Konsortialvereinbarung zwischen KDM, ZMK, AWI, IFM-GEOMAR | EU | Dr. Fischer | 01.01.2008 - 30.06.2010 | 84.268,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|---|---|--------------------|----------------|-------------------------|---------------------|
| 81 | 211597 EuroArgo/KDM | EuroArgo - Global Ocean Observing Infrastructure EuroArgo Preparatory Phase Konsortialvereinbarung zwischen KDM, ZMK, AWI, IFM-GEOMAR | EU | Dr. Fischer | 01.01.2008 - 30.06.2010 | 20.865,00 |
| 82 | 212643 Thor TP 1 | THOR - Thermohaline Overturning - at Risk | EU | Prof. Latif | 01.01.2009 - 31.12.2012 | 419.189,29 |
| 83 | 212643 Thor TP 2 | THOR - Thermohaline Overturning - at Risk | EU | Prof. Visbeck | 01.01.2009 - 31.12.2012 | 479.226,13 |
| 84 | 212643 Thor TP 3 | THOR - Thermohaline Overturning - at Risk | EU | Prof. Böning | 01.01.2009 - 31.12.2012 | 479.984,58 |
| 85 | 226224 SHIVA | Stratospheric Ozone: Halogen Impact in a Varying Atmosphere | EU | Prof. Krüger | 01.07.2009 - 30.06.2012 | 261.333,50 |
| 86 | 238111 - CASE | CASE - The changing Arctic and Sub-arctic Environment: A research and training programme on marine biotec indicators of recent climate changes in the high latitudes of the North Atlantic. | EU | Dr. Spielhagen | 01.04.2010 - 31.03.2014 | 420.279,00 |
| 87 | 266722 SUMO | Supermodeling by combining imperfect models | EU | Dr. Keenlyside | 01.10.2010 - 30.09.2013 | 343.756,00 |
| 88 | CarboSchools 217751 | CarboSchools; Coordination and support action, European network of regional projects for school partnership on climate change research | EU | Dr. Dengg | 01.01.2008 - 31.12.2010 | 80.000,00 |
| 89 | EuroSITES | European Ocean Observatory Network | EU | Dr. Karstensen | 01.04.2008 - 31.03.2011 | 186.720,00 |
| 90 | PITN-GA-2009-238512 GATEWAYS | Multi-level assessment of ocean-climate dynamics: a gateway to interdisciplinary training and analysis | EU | Dr. Biastoch | 01.01.2010 - 31.12.2013 | 208.333,68 |
| 91 | Stipendium Anne Osborne GRO 1136480 STP-2 | Forschungskostenzuschuss für Anne Osborne | AvH | Prof. Frank | 01.10.2010 - 30.09.2012 | 73.200,00 |
| 92 | Stipendium S. Gulev | 3 monatiger Forschungsaufenthalt Sergey Gulev | AvH | Prof. Latif | 01.09.2010 - 30.11.2010 | 11.550,00 |
| 93 | 32.5.8051.0170.0 NaT-Working Botschafter | Durchführung von Vernetzungsaktivitäten als NaT-Working Botschafter | Robert Bosch Stfg. | Dr. Dengg | 15.08.2010 - 14.08.2012 | 38.000,00 |
| 94 | Frühwarnsysteme | Frühwarnsysteme für globale Klimaveränderungen und ihre historische Dokumentation in natürlichen Klimaarchiven hier: Sachmittelverwaltung aufgrund Kooperationsvereinbarung AWI, IFM-GEOMAR und Akademie | AdW | Dr. Spielhagen | 01.06.2005 - 31.12.2009 | 122.324,23 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|-------------------------------------|--|-------------------|----------------|-------------------------|---------------------|
| 95 | 8604-09 Asian Monsoon | Asian Monsoon variability during the Holocene recorded in fossil coral skeletons | Sonstige | Dr. Hathorne | 01.10.2010 - 31.12.2010 | 15.039,82 |
| 96 | CAVIAR | CAVIAR - Climate Variability of the Baltic Sea area | Sonstige | Dr. Lehmann | 01.05.2008 - 31.12.2010 | 165.000,00 |
| 97 | FeBeC TP 1 | Fehmarnbelt-Brücke: Modelluntersuchungen zur Signifikanz der Veränderungen durch den Brückenbau im Vergleich der Klimaänderungen der gesamten Ostsee | Sonstige - Privat | Dr. Karstensen | 01.01.2009 - 31.12.2010 | 30.500,00 |
| 98 | Rapid Climate Changes in the Arctic | Mechanism of Rapid Climate Changes in the Arctic | Sonstige | Prof. Latif | 01.01.2010 - 31.12.2010 | 16.200,00 |
| | | | | | | 23.503.605,99 |

¹ Total Budget over the complete funding period

Appendices

Projects - Research Division 2: Marine Biogeochemistry

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|---|--|----------------|-----------------|-------------------------|---------------------|
| 1 | BR 1075/11-2, Costa Rica Mud Mounds Site Survey | Site survey data evaluation IODP Proposal 633 | DFG | Dr. Brückmann | 01.01.2010 - 31.12.2011 | 38.900,00 |
| 2 | CLUSTER - 2007/2 CP07A39 Neural-Network/ 27 | Neural-Network based coupling of benthic and pelagic components of biogeochemical ocean circulation models | DFG | Prof. Oschlies | 01.02.2008 - 31.03.2010 | 80.000,00 |
| 3 | CLUSTER - 2007/2 CP07A43, High performance/35 | CLUSTER: Exploring the genetic resources of deep sea extremophiles: Searching for high performance novel enzymes | DFG | Prof. LaRoche | 01.03.2008 - 28.02.2010 | 80.000,00 |
| 4 | CLUSTER - 2007/2 CP07A52 Neglected Bottleneck/34.2 | CLUSTER: The neglected bottleneck: Early life stage ecology in times of global change | DFG | Prof. Riebesell | 01.02.2008 - 31.03.2010 | 28.400,00 |
| 5 | CLUSTER - 2007/2 CP07A65 /32 Gene expression | CLUSTER - Gene expression patterns in sea urchin embryos: Establishing a model system for biological and marine medical research in the context of global change | DFG | Prof. Melzner | 01.02.2008 - 31.03.2010 | 80.000,00 |
| 6 | CLUSTER - 2008/1 CP0813 Paradox of plankton/69 | Can different feeding strategies help to resolve the paradox of plankton? | DFG | Prof. Oschlies | 01.01.2009 - 31.12.2010 | 50.000,00 |
| 7 | CLUSTER - 2008/1 CP0816 Kiel Bay /70 | Seasonal carbonate system variability in Kiel Bay and correlated physiological performance of local blue mussels | DFG | Prof. Melzner | 01.01.2009 - 31.12.2010 | 50.000,00 |
| 8 | CLUSTER - 2008/1 CP0822 Submarine CCS/73 | Assessing the risk of leakage from submarine CCS | DFG | Prof. Wallmann | 01.01.2009 - 31.12.2010 | 50.000,00 |
| 9 | CLUSTER - 2008/1 CP0824 Air Sea Flux/74 | Air-sea flux measurements of trace gases with atmospheric pressure chemical ionization time of flight mass spectrometry | DFG | Prof. Wallace | 01.01.2009 - 31.12.2010 | 50.000,00 |
| 10 | CLUSTER - 2009/1 CP0910, High-resolution/82 | A novel system for continuous high-resolution measurements of atmospheric and dissolved N ₂ O | DFG | Dr. Bange | 01.11.2009 - 30.06.2011 | 100.000,00 |
| 11 | CLUSTER - 2009/1 CP0911, Nitrogen fixation in sed. | The occurrence and relevance of nitrogen fixation in sediments of oxygen minimum zones | DFG | Prof. Treude | 01.11.2009 - 30.06.2011 | 73.500,00 |
| 12 | CLUSTER - 2009/1 CP0915, Seafloor warming on oxygen | Novel, non-invasive investigation of seafloor warming oxygen and heat fluxes from the benthic boundary layer into the water column | DFG | Dr. Linke | 01.11.2009 - 30.06.2011 | 100.000,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|---|--|----------------|------------------|-------------------------|---------------------|
| 13 | CLUSTER - 2009/1 CP0918, Photolysis of carbonyl C | Photolysis of Carbonyl Compound in seawater: Primary Products, Quantum Yields and Loss Rates in Natural Sunlight | DFG | Dr. Croot | 01.11.2009 - 30.06.2011 | 13.000,00 |
| 14 | CLUSTER - 2009/1 CP0923, Zooplankton in trop. oxy | The role zooplankton in tropical oxygen minimum layers: physiological adaptation and contribution to fluxes of carbon and oxygen | DFG | Dr. Kiko | 01.11.2009 - 30.06.2011 | 100.000,00 |
| 15 | CLUSTER - 2009/1 CP0927, Rise of slime /87 | Does the "rise of slime" foster an oceanic "jelly carbon pump?" | DFG | Prof. Oschlies | 01.11.2009 - 30.06.2011 | 100.000,00 |
| 16 | CLUSTER - 2009/1 CP0932/ Magnesium Isotope Fract. | Magnesium Isotope Fractionation in Planktic Foraminifera as a Proxy for Sea Surface pH Variations | DFG | Prof. Eisenhauer | 01.11.2009 - 30.06.2011 | 93.500,00 |
| 17 | CLUSTER - JRG A1 Ozeanversauerung 1067/23 | JRG A1 Ozeanversauerung | DFG | Prof. Melzner | 01.12.2007 - 30.11.2010 | 750.000,00 |
| 18 | CLUSTER - Seafloor Warming Effect /26 | CLUSTER: A2. Seafloor Warming Effect: Junior Professur | DFG | Prof. Treude | 01.01.2008 - 30.11.2011 | 800.000,00 |
| 19 | CR 145/10-2 | The influence of Fe on the distribution and kinetic speciation of Zn, Cd, Co and Ni in the Southern Ocean (IPY) | DFG | Dr. Croot | 01.08.2009 - 31.07.2010 | 36.137,00 |
| 20 | CR 145/15-1 | Nanoparticles, Colloids and their relationship to Titanium, Aluminium and Iron solubility in the Open Ocean | DFG | Dr. Croot | 01.12.2007 - 30.11.2010 | 110.250,00 |
| 21 | CR 145/18-1 ADIOS-BAO | Atmospheric dust and Irradiation effects on Ocean Surface processes - Biogeochemistry in the Atlantic Ocean (ADIOS-BAO) | DFG | Dr. Croot | 01.03.2010 - 28.02.2011 | 28.914,00 |
| 22 | CR145/17-1 Saharan Dust | Mn and Cu speciation in the Tropical Atlantic: influence of Saharan dust, phytoplankton exudation and ROS (H ₂ O ₂ and O ₂) | DFG | Dr. Croot | 01.12.2009 - 30.11.2012 | 123.950,00 |
| 23 | DI 1665/1-1 CO2eddy | Einfluss von Parametrisierungen mesoskaliger Wirbel in IPCC-relevanten Ozeanmodellen auf die Relation zwischen Windantrieb und dem Kohlenstoffaustausch zwischen Ozeanen und Atmosphäre im Südlichen Ozean | DFG | Prof. Oschlies | 01.04.2010 - 31.03.2012 | 117.800,00 |
| 24 | EI 272/14-3 | Magnesiumisotope als Proxy für abiogene und biogene Kalzifikationsprozesse und für die chemische Evolution der Ozeane im Phanerozoikum | DFG | Prof. Eisenhauer | 01.01.2008 - 31.12.2010 | 109.600,00 |
| 25 | EI 272/22-1 | The last deglacial sea-level and climatic changes. Coral Reef records in the south Pacific: Tahiti (French Polynesia) - IOPD-Expedition #310-, Australian Great Barrier Reef- IODP Proposal #519: Potential of diagenetically altered corals ... | DFG | Prof. Eisenhauer | 01.10.2007 - 30.09.2010 | 109.200,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--|--|----------------|------------------|-------------------------|---------------------|
| 26 | EI 272/23-2 P.O.E.T 2 | P.O.E.T: Räumliche Verlagerung des Phasenversatzes zwischen oberflächennaher Ozeanerwärmung, Evaporation und Änderungen im kontinentalen Eisvolumen zu Beginn der interglazialen Isotopenstadien 1 und 5 | DFG | Prof. Eisenhauer | 01.11.2009 - 30.04.2010 | 14.700,00 |
| 27 | EI 272/29-1 QUASAR | Die Quantifizierung des marinen Sr-Haushaltes mittels radiogener (⁸⁷ Sr/ ⁸⁶ Sr) und stabiler(⁸⁶ / ⁸⁸ Sr) Sr-Isotopenverhältnisse | DFG | Prof. Eisenhauer | 01.07.2009 - 30.06.2012 | 103.873,00 |
| 28 | EI 272/30-1, TRION | TRION- Stable isotopes of strontium as a new proxy for continental weathering, pedogenesis processes and seawater temperature | DFG | Prof. Eisenhauer | 01.06.2010 - 31.05.2012 | 836.800,00 |
| 29 | MC 214/1-1 MethaneFlux | Methane Emissions from Impounded Rivers: A process-based study at the River Saar | DFG | Dr. McGinnis | 01.07.2010 - 30.06.2013 | 36.020,00 |
| 30 | OS 175/4-1, CO2mix | Modellgestützte Untersuchungen zum Einfluß mariner Vermischungsprozesse auf glazial-interglaziale Änderungen des atmosphärischen CO ₂ Gehalts | DFG | Prof. Oeschies | 01.03.2007 - 28.02.2010 | 95.450,00 |
| 31 | OS 175/5-1 Warming and trophic state | Modelling the impact of global warming on the trophic state of the upper ocean | DFG | Prof. Oeschies | 01.03.2010 - 28.02.2013 | 153.300,00 |
| 32 | PA 1847/2-1 Zooplanktongemeinschaften | Optimalitätsbasiertes Modell mariner Zooplanktongemeinschaften | DFG | Dr. Pahlow | 01.06.2010 - 31.05.2013 | 141.000,00 |
| 33 | RI 598/2-3 | The impact of temperature on the partitioning between particulate and dissolved organic carbon in a pelagic new production system | DFG | Prof. Riebesell | 01.09.2009 - 30.08.2010 | 68.970,00 |
| 34 | RI 598/4-1 | Auswirkung der Ozeanversauerung auf die Kalzifizierung der riffbildenden Kaltwasserkoralle <i>Lophelia pertusa</i> (Scleractinia) | DFG | Prof. Riebesell | 01.09.2007 - 30.08.2010 | 187.250,00 |
| 35 | RO 2138/6-1 | The photosynthetic response to iron limitation and iron resupply in diatoms | DFG | Prof. LaRoche | 01.09.2007 - 31.08.2010 | 136.050,00 |
| 36 | SO 206 | Untersuchungen von Entwässerungsstrukturen am aktiven Kontinentallhang vor Costa Rica -"Pre-site survey" für IOPD Bohrvorschlag 633 | DFG | Dr. Hensen | 01.01.2010 - 30.09.2010 | 136.661,00 |
| 37 | TA 317/1-1, BaTre | Investigation of deep-water mixing in the Baltic Sea with the help of a tracer release experiment. (BaTRE) | DFG | Dr. Tanhua | 01.05.2007 - 30.04.2010 | 18.179,00 |
| 38 | Wa 1434/10-1, Tracers in the Tropical Atlantic | Anthropogenic Carbon, CFC-12 and SF6 in the Tropical Atlantic | DFG | Prof. Wallace | 01.11.2007 - 31.10.2010 | 113.450,00 |
| 39 | TP B03 | TP B03: Benthischer Volatilen-Ausstrom und Umsatz: Mechanismen und Budgets | DFG-SFB574 | Dr. Linke | 01.07.2008 - 30.06.2012 | 307.900,00 |
| 40 | TP B05 | TP B05: Diagenetische Prozesse in Forearc Sedimenten und der Volatileintrag in Subduktionszonen Systeme: Akkumulation, Transport und Freisetzung von Volatilen | DFG-SFB574 | Dr. Hensen | 01.07.2008 - 30.06.2012 | 344.050,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|------------------------|--|----------------|------------------|-------------------------|---------------------|
| 41 | TP B06 | TP B06 - Authigene Karbonate als Langzeitarchiv für Fluidfreisetzung | DFG-SFB574 | Prof. Eisenhauer | 01.07.2008 - 30.06.2012 | 125.800,00 |
| 42 | TP A01 | TP A01 - Antwort des gekoppelten Systems Klima-Biogeochemie in den Tropen auf globaler Erwärmung | DFG-SFB754 | Prof. Oeschies | 01.01.2008 - 31.12.2011 | 152.000,00 |
| 43 | TP A03 | TP A03: Diapyknische und Isopyknische Vermischung an der Südflanke des Guinea Auftriebsgebietes: Ein Tracer Release Experiment | DFG-SFB754 | Prof. Wallace | 01.01.2008 - 31.12.2011 | 193.200,00 |
| 44 | TP A04 | TP A04: Trends und Variabilität von Sauerstoffinventar und -versorgung in Sauerstoffminimumzonen | DFG-SFB754 | Prof. Körtzinger | 01.01.2008 - 31.12.2011 | 311.500,00 |
| 45 | TP A07 | TP A07: Ursachen und zeitlicher Verlauf von Einsetzen und Ausbreitung anoxischer Verhältnisse im Kreide-Ozean | DFG-SFB754 | Prof. Wallmann | 01.01.2008 - 31.12.2011 | 234.300,00 |
| 46 | TP B01 | TP B01: Ein globales Modell redox-sensitiver biogeochemischer Kreisläufe | DFG-SFB754 | Prof. Oeschies | 01.01.2008 - 31.12.2011 | 165.700,00 |
| 47 | TP B01 | TP B01: Ein globales Modell redox-sensitiver biogeochemischer Kreisläufe | DFG-SFB754 | Prof. Wallmann | 01.01.2008 - 31.12.2011 | 165.700,00 |
| 48 | TP B02 | TP B02: Reaktionen der Planktongemeinschaft auf Änderungen der Nährstoffstöchiometrie | DFG-SFB754 | Prof. Riebesell | 01.01.2008 - 31.12.2011 | 99.000,00 |
| 49 | TP B03 | TP B03: Sensitivität der biologischen Stickstofffixierung im Ozean gegenüber gelöstem Sauerstoff | DFG-SFB754 | Prof. LaRoche | 01.01.2008 - 31.12.2011 | 161.200,00 |
| 50 | TP B04 | TP B04: Stickstoffverlust und Nährstofferneuerung in Meerwasser mit einem Sauerstoffdefizit | DFG-SFB754 | Prof. LaRoche | 01.01.2008 - 31.12.2011 | 156.100,00 |
| 51 | TP B05 | TP B05: Auswirkungen niedriger Sauerstoffkonzentrationen auf dem Biogeochemischen Kreislauf von Eisen und Phosphat | DFG-SFB754 | Dr. Hensen | 01.01.2008 - 31.12.2011 | 230.300,00 |
| 52 | TP B05 | TP B05: Auswirkungen niedriger Sauerstoffkonzentrationen auf den Biogeochemischen Kreislauf von Eisen und Phosphat | DFG-SFB754 | Dr. Croot | 01.01.2008 - 31.12.2011 | 230.300,00 |
| 53 | TP B06 | TP B06: Redox-sensitive Stickstoffflüsse in der Bodengrenzschicht | DFG-SFB754 | Prof. Eisenhauer | 01.01.2008 - 31.12.2011 | 250.700,00 |
| 54 | TP Z01 | TP Z01: Zentrale Aufgaben des Sonderforschungsbereiches | DFG-SFB754 | Prof. Wallace | 01.01.2008 - 31.12.2011 | 1.416.160,00 |
| 55 | TP Z02 | TP Z02: Expeditionskosten für die SFB Schiffsreisen | DFG-SFB754 | Dr. Pfannkuche | 01.01.2008 - 31.12.2011 | 438.300,00 |
| 56 | TP Z1 Pauschale Mittel | SFB 754 Zentrale Aufgaben des Sonderforschungsbereiches. Hier: Pauschale Mittel | DFG-SFB754 | Prof. Wallace | 01.01.2009 - 31.12.2011 | 225.000,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|----------------------------------|---|----------------|--------------------|----------------------------|---------------------|
| 57 | 03F0477I FS SONNE Neubau | Nachfolgebau FS SONNE | BMBF | Dr. v. Bröckel | 01.04.2008 - 31.03.2012 | 363.709,00 |
| 58 | 03F0605B-Nordatlantik, AP 3.3 | Verbundprojket: Nordatlantik - Teil des Erdsystems; Vorhaben: Klimaschwankungen und ihre Auswirkungen auf die thermohaline Zirkulation im Nordatlantik | BMBF | Prof. Oeschies | 01.10.2009 - 30.09.2012 | 230.530,00 |
| 59 | 03F0608A BIOACID TP 0.1 | Verbundprojekt BIOACID - Biologische Auswirkungen der Ozeanversauerung: Vorhaben: Koordination; Training und Wissenstransfer; Anpassung oder Akklimatisation in Autotrophen; Kalzifizierung- Empfindlichkeiten von Phyla bis Ökosystemen | BMBF | Prof. Riebesell | 01.09.2009 - 31.08.2012 | 391.032,00 |
| 60 | 03F0608A BIOACID TP 0.4 | Verbundprojekt BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Training und Wissenstransfer | BMBF | Dr. Meyerhöfer | 01.09.2009 - 31.08.2012 | 4.500,00 |
| 61 | 03F0608A BIOACID TP 1.1.2 | Verbundprojekt BIOACID - Biologische Auswirkungen der Ozeanversauerung: Vorhaben: Wechselwirkung zwischen Kohlenstoff- und Eisenverfügbarkeit und ihr Einfluss auf Photosynthese und Primärproduktion im Ozean | BMBF | Prof. LaRoche | 01.09.2009 - 31.08.2012 | 78.741,00 |
| 62 | 03F0608A BIOACID TP 1.1.3 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Anpassung oder Akklimatisation in autotrophen Organismen | BMBF | Prof. Riebesell | 01.09.2009 - 31.08.2012 | 210.184,00 |
| 63 | 03F0608A BIOACID TP 1.1.4 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Schnelle evolutive Anpassung wichtiger Phytoplanktonarten an einen Ozean mit hohem CO ₂ -Partialdruck. | BMBF | Prof. Riebesell | 01.09.2009 - 31.08.2012 | 121.519,00 |
| 64 | 03F0608A BIOACID TP 3.1.1 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Anorganische Kohlenstoffaufnahme für Kalzifizierung und Photosynthese in Coccolithophoriden: Entwicklung einer einheitlichen Theorie | BMBF | Dr. Schulz, Kai | 01.09.2009 - 31.12.2012 | 134.088,00 |
| 65 | 03F0608A BIOACID TP 3.1.2 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Transepitheliale Kalzifizierungsprozesse in der hermatypischen Kaltwasserkoralle (Scleractinia) | BMBF | Dr. Form | 01.09.2009 - 31.08.2012 | 255.126,00 |
| 66 | 03F0608A BIOACID TP 3.1.3 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Effekte von Ozeanversauerung auf Kalzifizierung & Ionen - Homöostase im Stamm Mollusca | BMBF | Prof. Melzner | 01.09.2009 - 31.08.2012 | 115.488,00 |
| 67 | 03F0608A BIOACID TP 3.2.1 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Einfluss der Versauerung und Erwärmung auf sub- polare schalenbildende Pteropoden | BMBF | Prof. Riebesell | 01.09.2009 - 31.08.2012 | 170.248,00 |
| 68 | 03F0608A BIOACID TP 3.2.4 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Einfluss der Ozeanversauerung auf koralline Rotalgen | BMBF | Dr. Fietzke | 01.09.2009 - 31.08.2012 | 191.262,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|----------------------------|--|----------------|------------------|-------------------------|---------------------|
| 69 | 03F0608A BIOACID TP 3.3.2 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Der Einfluss von sinkenden pH-Werten, Salinitäts- und Temperaturveränderungen auf die Spurenelementverteilung zwischen Meerwasser und kalzifizierenden Organismen | BMBF | Prof. Eisenhauer | 01.09.2009 - 31.08.2012 | 115.785,00 |
| 70 | 03F0608A BIOACID TP 5.2 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: | BMBF | Prof. Oschlies | 01.09.2009 - 31.08.2012 | 276.772,00 |
| 71 | 03F0611A SOPRAN II - TP 1 | Sopran II (Surface Ocean Processes in the Anthropocene)- Ozeanische Oberflächenprozesse im Anthropozän II; Vorhaben: Koordination; Austausch von Gasen u. org. Substanzen an der Grenzfläche Meer/Atmosphäre; Ökosystemwirkung des Staubeintrages; C-u. N-Dynamik | BMBF | Prof. Wallace | 01.02.2010 - 31.01.2013 | 895.799,00 |
| 72 | 03F0611A SOPRAN II - TP 2 | SOPRAN II TP 2: The contribution of physical processes to the emissions of trace gases in upwelling areas of the equatorial Atlantic Ocean: A N ₂ O case study | BMBF | Dr. Bange | 01.02.2010 - 31.01.2013 | 409.242,75 |
| 73 | 03F0611A SOPRAN II - TP 3 | SOPRAN II TP3: Einfluss von Photochemie, atmosphärischen Aerosolen und gelösten organischen Stoffe auf biogeochemische Schlüsselprozesse bei den Kapverden. | BMBF | Dr. Croot | 01.02.2010 - 31.01.2013 | 232.545,00 |
| 74 | 03F0611A SOPRAN II - TP 5 | SOPRAN II TP 5: Air sea fluxes of CO ₂ and O ₂ in the equatorial and subtropical Atlantic: Observing variability on diel to interannual time scales | BMBF | Prof. Körtzinger | 01.02.2010 - 31.01.2013 | 360.714,00 |
| 75 | 03F0611A SOPRAN II - TP 6 | SOPRAN II TP 6: Ökosystemwirkungen des Staubeintrages (Eisen, Phosphor und Stickstoff) auf Phytoplanktonproduktivität Stickstofffixierung | BMBF | Prof. LaRoche | 01.02.2010 - 31.01.2013 | 426.818,00 |
| 76 | 03F0611A SOPRAN II - TP 7 | SOPRAN II TP7: The influence of surface ocean processes on OVOCs and DMS in the atmosphere | BMBF | Dr. Marandino | 01.02.2010 - 31.01.2013 | 161.481,00 |
| 77 | 03F0611A SOPRAN II - TP 8 | SOPRAN II TP 8: A global model of the oceanic nitrous oxide and iodine cycles | BMBF | Prof. Oschlies | 01.02.2010 - 31.01.2013 | 196.778,00 |
| 78 | 03F0611A SOPRAN II - TP 9 | SOPRAN II TP 9: Impacts of ocean change on carbon and nitrogen dynamics during plankton bloom events | BMBF | Prof. Riebesell | 01.02.2010 - 31.01.2013 | 633.667,00 |
| 79 | 03F0611A SOPRAN II - TP 10 | SOPRAN II T 10: Quellen und Senken bromierter und jodierter Verbindungen im tropischen Ozean | BMBF | Prof. Wallace | 01.02.2010 - 31.01.2013 | 394.302,00 |
| 80 | 03F0611A SOPRAN II - TP 11 | SOPRAN II - Unterstützung des Internationalen Büros (International Project Office, IPO) von SOLAS | BMBF | Prof. Wallace | 01.02.2010 - 31.01.2013 | 237.929,00 |
| 81 | 03F0624I MoLab | Modulares multidisziplinäres Meeresboden-Observatorium (MoLab) | BMBF | Dr. Pfannkuche | 01.05.2010 - 31.12.2010 | 2.209.460,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|-------------------------------------|---|----------------|------------------|-------------------------|---------------------|
| 82 | 03G0205C SO 205 Mangan | SO 205: Erstellung von Zeitreihen an Manganknollen mittels radiogener (Sr, NS usw.) und nicht-traditionellen Isotopensystemen ($\delta^{88/86}\text{Sr}$, $\delta^{98/100}\text{Mo}$) | BMBF | Prof. Eisenhauer | 01.02.2010 - 31.01.2013 | 37.295,00 |
| 83 | 03G0687A SUGAR TP 4 | Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A: Submarine Gashydrat-Lagerstätten als Deponie für die CO ₂ -Sequestrierung; Vorhaben. Prospektion und Exploration von Gashydrat-Lagerstätten - Sonderprogramm GEOTECHNOLOGIEN | BMBF | Dr. Hensen | 01.05.2008 - 30.04.2011 | 227.133,00 |
| 84 | 03G0731A SO Transit: TransBromSonne | TransBromSonne - Emissionen kurzlebiger Bromverbindungen im tropischen Westpazifik, ihre Quellen und ihr Eintrag in die Stratosphäre | BMBF | Dr. Quack | 01.07.2009 - 28.02.2011 | 55.671,00 |
| 85 | 03SX250 SUGAR B | Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR B. Submarine Gashydrat-Lagerstätten - Erkundung, Abbau und Transport, Vorhaben: Numerische Simulation des Hydratabbaus und Erdgasgewinnung mittels CO ₂ -Substitution von Methan in Clathraten | BMBF | Prof. Wallmann | 01.07.2008 - 30.06.2011 | 1.861.872,00 |
| 86 | 426/tai-PPP-cab, PPP Taiwan | Projektbezogener Personenaustausch mit Taiwan | BMBF | Prof. Melzner | 01.07.2010 - 31.12.2011 | 11.706,00 |
| 87 | HISEM | Entwicklung der Kalibrationsverfahren für den offshore Einsatz von HISEM | BMBF | Dr. Linke | 01.10.2010 - 30.09.2013 | 126.704,00 |
| 88 | IND 08/204 Forschungsmarketing | Forschungsmarketing zum Projekt "Submarine Gashydrat Lagerstätten, SUGAR". Umsetzung von Marketing Maßnahmen im Zielland Indien | BMBF | Dr. Brückmann | 01.11.2008 - 31.07.2010 | 76.200,00 |
| 89 | TUR 08/I09, Koop. Türkei | internationale Zusammenarbeit mit der Türkei Modelling phosphorus and nitrogen cycles at oxic-anoxic interfaces in the water column | BMBF | Prof. Oeschies | 01.01.2009 - 31.12.2011 | 101.359,00 |
| 90 | 18122008 My Ocean | My Ocean - Development and pre-operational validation of upgraded GMES Marine Core Services and capabilities | EU | Prof. Oeschies | 01.01.2009 - 31.03.2010 | 147.450,00 |
| 91 | 211384 EPOCA | EPOCA - European Project on Ocean Acidification | EU | Prof. Oeschies | 01.05.2008 - 30.04.2012 | 160.395,20 |
| 92 | 211384 EPOCA | EPOCA - European Project on Ocean Acidification | EU | Prof. Riebesell | 01.05.2008 - 30.04.2012 | 591.503,80 |
| 93 | 211816 EMSO | EMSO: European Multidisciplinary Seafloor Observation | EU | Dr. Pfannkuche | 01.01.2009 - 31.03.2012 | 82.038,40 |
| 94 | 212196-COCOS | COCOS-Coordination Action Carbon Observation System | EU | Prof. Wallace | 01.01.2009 - 30.04.2011 | 139.956,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--|--|--------------------|------------------|-------------------------|---------------------|
| 95 | 226224 SHIVA | Stratospheric Ozone: Halogen Impact in a Varying Atmosphere | EU | Prof. Körtzinger | 01.07.2009 - 30.06.2012 | 261.333,50 |
| 96 | 228224 MesoAqua TP1 | Network of leading MESOcosm facilities to advance the studies of future AQUATIC ecosystems from the Arctic to Mediterranean | EU | Prof. Riebesell | 01.01.2009 - 31.12.2012 | 372.372,00 |
| 97 | COST Workshop 05/2010 735-026012 | COST-Workshop 05/10 | EU | Dr. Breviere | 10.05.2000 - 31.05.2010 | 120,00 |
| 98 | COST Workshop 735-02448 | COST Workshop 2010: Tools for Assessing Global Air-Fluxes of Climate and Air Pollution Relevant Gases | EU | Dr. Croot | 01.02.2010 - 31.03.2010 | 660,00 |
| 99 | COST Workshop 735-801 | Trace Metal speciation: Current state of the art and towards the construction of a database | EU | Dr. Croot | 01.08.2010 - 17.08.2010 | 600,00 |
| 100 | ESONET (GOCE 036851) | European Seas Observatory Network | EU | Dr. Pfannkuche | 01.03.2007 - 28.02.2011 | 13.168,00 |
| 101 | HERMIONE | HERMIONE - Hotspot Ecosystem Research and Man`s Impact on European Seas | EU | Dr. Pfannkuche | 01.04.2009 - 31.03.2012 | 297.760,00 |
| 102 | HYPOX | HYPOX-In situ monitoring of oxygen depletion in hypoxic ecosystems of coastal and open seas and land-locked water bodies | EU | Dr. Pfannkuche | 01.04.2009 - 31.03.2012 | 302.400,00 |
| 103 | PIEF-GA-2009-236694 DAPOP | Deposition of Atmospheric Particles on the Ocean: a process study -Support for training and career development of researchers (Marie Curie) Intra-European Fellowship- | EU | Dr. Croot | 01.05.2009 - 30.04.2011 | 161.563,92 |
| 104 | PITN-GA-2008-215157 CarlMarO | CalMaro -Ca Iification by Marine Organism Networks for Initial Training (ITN) Marie Curie/SP3 People | EU | Prof. Eisenhauer | 01.10.2008 - 30.09.2012 | 194.585,49 |
| 105 | PITN-GA-2008-215157 CarlMarO | CalMaro -Ca Iification by Marine Organism Networks for Initial Training (ITN) Marie Curie/SP3 People | EU | Prof. LaRoche | 01.10.2008 - 30.09.2012 | 101.005,04 |
| 106 | PITN-GA-2008-215157 CarlMarO | CalMaro -Ca Iification by Marine Organism Networks for Initial Training (ITN) Marie Curie/SP3 People | EU | Prof. Riebesell | 01.10.2008 - 30.09.2012 | 194.585,49 |
| 107 | SUGAR B | SUGAR B, Zuschuss von E.ON, REW, Stadtwerke Kiel | Sonstige Industrie | Prof. Wallmann | 01.07.2008 - 30.06.2011 | 1.037.000,00 |
| 108 | Stipendium , Victoria Bertics, USA | Forschungskostenzuschuss für 24 Monate für Stipendiatin V. Bertics | AvH | Prof. Treude | 01.10.2010 - 30.09.2012 | 73.200,00 |
| 109 | USA/1133906 STP Stipendium Christa Marandino | Forschungsstipendium Dr. Chrisa Marandino für weitere 12 Monate | AvH | Prof. Wallace | 01.11.2010 - 31.10.2011 | 36.600,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--|--|----------------|----------------|-------------------------|---------------------|
| 110 | USA/1133906 STP Stipendium Christa Marandino | Forschungsstipendium Dr. Christa Marandino für 12 Monate | AvH | Prof. Wallace | 01.11.2009 - 31.10.2010 | 36.600,00 |
| 111 | EWLA Workshop | 10 th European Workshop on Laser Ablation (EWLA) im Juni 2010 | Diverse | Dr. Fietzke | 01.06.2009 - 31.12.2010 | 46.500,00 |
| 112 | ISOM 2010 | International Ship Operators Meeting 16.-19.03.2010 | Sonstige | Dr. v. Bröckel | 16.03.2010 - 19.03.2010 | 9.200,00 |
| 113 | JEDDAH TP 1 | The Jeddah Transect - From coastal zone to deep rift basin: an integrated view of the geology, ecology, resources and biology of an infant ocean. Ziel: die geologischen, ökologischen, biologischen Aspekte eines entstehenden Ozeans zu untersuchen. | Sonstige | Dr. Schmidt | 01.07.2010 - 30.06.2013 | 830.000,00 |
| 114 | JEDDAH TP 5 | The Jeddah Transect (s.o.) | Sonstige | Dr. Brückmann | 01.07.2010 - 30.06.2013 | 1.690.250,00 |
| 115 | JEDDAH TP 6 | The Jeddah Transect (s.o.) | Sonstige | Dr. Brückmann | 01.07.2010 - 30.06.2013 | 345.972,00 |
| | | | | | | 28.964.542,59 |

¹ Total Budget over the complete funding period

Projects - Research Division 3: Marine Ecology

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--|--|----------------|--------------------------|-------------------------|---------------------|
| 1 | CL 126/3-3, RECONN 3 | Resolving Trophodynamic Consequences of climate Change (RECONN 3) | DFG | Dr. Clemmesen-Bockelmann | 01.12.2009 - 30.11.2010 | 62.740,00 |
| 2 | CLUSTER - 2007/2 CP07A46, /29 Model Macroalga | CLUSTER: A transcript profiling tool to investigate synergistic effects of non-biotec and biotic changes in a model macroalga | DFG | Dr. Weinberger | 01.02.2008 - 31.03.2010 | 80.000,00 |
| 3 | CLUSTER - 2007/2 CP07A52 Neglected Bottleneck/34.1 | CLUSTER: The neglected bottleneck: Early life stage ecology in times of global change | DFG | Prof. Wahl | 01.02.2008 - 31.03.2010 | 51.600,00 |
| 4 | CLUSTER - 2008/1 CP0809 PIPEFISH/67 | PIPEFISCH-Parasit interactions under global warming | DFG | Prof. Reusch | 01.01.2009 - 31.12.2010 | 49.440,00 |
| 5 | CLUSTER - 2008/1 CP0818 Macroalga /71 | Consequences of seafloor warming and salinity decrease for macroalga-microbe interactions | DFG | Dr. Weinberger | 01.01.2009 - 31.12.2010 | 50.000,00 |
| 6 | CLUSTER - 2009/1 CP0906 Global change on Labyrinth | Effects of global change on Labyrinthula-infection in eelgrass Zostera marina | DFG | Dr. Bockelmann | 01.11.2009 - 30.06.2011 | 95.000,00 |
| 7 | CLUSTER - 2009/1 CP0931, Winners and losers in the | Winners and losers in the Future Ocean | DFG | Dr. Froese | 01.11.2009 - 30.06.2011 | 100.000,00 |
| 8 | CLUSTER - Fisheries-Management /43 | Alternative Scenarios für European Fisheries Management | DFG | Dr. Froese | 01.04.2008 - 31.03.2010 | 31.850,00 |
| 9 | CLUSTER - Missing Baselines 2009/1 CP0901/78 | CLUSTER: Missing Baselines and Ecological Noise | DFG | Prof. Wahl | 01.11.2009 - 30.06.2011 | 95.000,00 |
| 10 | IM 12/17-1 Conicyt | Metagenomic analysis and laboratory studies of phototrophic bacteria from high altitude thermal aquatic systems of northern Chile -Project-Conicyt - (Chile) | DFG | Prof. Imhoff | 01.01.2010 - 31.12.2010 | 8.960,00 |
| 11 | JA 2008/1-1 INIGIL | Interactions between native and invasive gelatinous zooplankton within the Baltic Sea food web (INIGEL) | DFG | Dr. Javidpour | 01.06.2010 - 30.05.2013 | 258.570,00 |
| 12 | MA 2225/11-1 Lichtfluktuationen | Seegangsbedingte Variabilität der Strahlungsregime im Ozean: Modellierung und biologische Wirkung von Unterwasserlichtfluktuationen | DFG | Prof. Wahl | 01.01.2010 - 31.12.2010 | 38.550,00 |
| 13 | RE 1108/12-1 Mnemiopsis | Evolutionsökologie der Mnemiopsis in Nord- und Ostsee Mnemiopsis Evolutionary Ecology | DFG | Prof. Reusch | 01.03.2009 - 29.02.2012 | 140.450,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--|---|----------------|----------------|-------------------------|---------------------|
| 14 | RE 1108/13-1 Stickleback Host-Parasit | Experimentelle Resistenz-Evolution und genetische Basis des Diplostomum-Stichling-Wirts-Parasitensystems -Stickleback Host-Parasit Coevolution | DFG | Prof. Reusch | 01.08.2009 - 31.07.2012 | 220.070,00 |
| 15 | RE 1108/9-2 Globale Erwärmung und Hitzestresstoler | Globalerwärmung und Hitzestresstoleranz: Untersuchungen der genetischen und physiologischen Basis durch direktes Sequenzieren des Transkriptoms. | DFG | Prof. Reusch | 01.11.2009 - 30.10.2010 | 53.800,00 |
| 16 | SO 145/23-2 Aquashift | Match and mismatch between phyto-and zooplankton during spring succession: an experimental analysis with the Baltic Sea plankton | DFG | Prof. Sommer | 01.11.2006 - 28.02.2010 | 205.380,00 |
| 17 | SO 145/23-3 Baltic Sea Plankton | Match and mismatch between phyto- and zooplankton during spring succession: an experimental analysis with Baltic Sea plankton | DFG | Prof. Sommer | 01.03.2010 - 28.02.2011 | 89.230,00 |
| 18 | SO 145/24-3 Koordination Aquashift | Koordinierungsarbeiten im Schwerpunktprogramm "The impact of climate variability on aquatic ecosystems (AQUASHIFT) | DFG | Prof. Sommer | 01.03.2010 - 28.02.2011 | 137.090,00 |
| 19 | SO 145/28-1 TRIAS | Developing triple (¹³ C, ¹⁵ N, ³⁴ S) stable isotope analysis as a tool in aquatic food web studies: seagrass meadows as model system (TRIAS) | DFG | Prof. Sommer | 01.09.2010 - 31.08.2013 | 211.810,00 |
| 20 | SO 145/29-1 Bilaterale Kooperation/Russland | Initiierung und Intensivierung einer bilateralen Kooperation mit Russland Assessment of Mnemiopsis leidyi population dynamics in the context of ecosystem disturbance and climate change | DFG | Prof. Sommer | 01.08.2010 - 30.04.2011 | 5.268,00 |
| 21 | SO 145/30-1 Bilaterale Kooperation/Iran | Initiierung und Intensivierung einer bilateralen Kooperation mit dem Iran 3 Monate Aufenthalt! Dr. Mahnaz Rabbiniha, Iranian Fisheries Research Organization (IFRO) | DFG | Prof. Sommer | 01.01.2010 - 31.12.2010 | 7.600,00 |
| 22 | WA 708/21-1 | Interface Ecology: How do macroalgae control the quantity and composition of the bacterial epibioses at their surfaces? | DFG | Prof. Wahl | 01.11.2008 - 31.10.2011 | 123.046,00 |
| 23 | WA 708/22-1, Bil. Koop., Jordanien, Dr. Aladaileh | Förderung des Gastaufenthaltes von Dr. Saleem Aladaileh, Al-Hussein Bin Talal University -Initiierung und Intensivierung einer bilateralen Kooperation | DFG | Prof. Wahl | 01.05.2010 - 31.12.2010 | 8.300,00 |
| 24 | WE 4641/1-1 GLOBAL CHANGE | Einrichtung einer Nachwuchsgruppe im Emmy Noether-Programm zum Thema: Global change and evolutionary genetics of pathogen resistance in estuarine ecosystems | DFG | Dr. Wegner, M. | 01.01.2010 - 31.12.2012 | 671.250,00 |
| 25 | TP B02 | TP B02: Reaktionen der Planktongemeinschaft auf Änderungen der Nährstoffstöchiometrie | DFG-SFB754 | Prof. Sommer | 01.01.2008 - 31.12.2011 | 99.000,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--|---|----------------|----------------|-------------------------|---------------------|
| 26 | 03F0608A BIOACID TP 1.1.4 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Schnelle evolutive Anpassung wichtiger Phytoplanktonarten an einen Ozean mit hohem CO ₂ -Partialdruck | BMBF | Prof. Reusch | 01.09.2009 - 31.08.2012 | 121.519,00 |
| 27 | 03F0608A BIOACID TP 2.3.1 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Auswirkungen auf Top-Prädatoren (Fische, Chephalopoden) | BMBF | Dr. Piatkowski | 01.09.2009 - 31.08.2012 | 197.002,00 |
| 28 | 03F0608A BIOACID TP 4.1.2 | BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Versäuerungsstress: Ökologie früher Entwicklungsstadien in Zeiten des Globalen Wandels | BMBF | Prof. Wahl | 01.09.2009 - 31.08.2012 | 114.390,00 |
| 29 | ID50477191 PPP Kroatien | Jellyfish dynamics under disturbed and undisturbed ecosystems | BMBF | Dr. Molinero | 01.01.2010 - 31.12.2011 | 14.000,00 |
| 30 | ID50731771 PPP Griechenland | Invasive species under contrasting marine environments | BMBF | Dr. Molinero | 01.01.2010 - 31.12.2011 | 8.870,00 |
| 31 | PPP Argentinien ID50467312 | PPP Argentinien: Effects of global warming on marine plankton | BMBF | Prof. Sommer | 01.01.2010 - 31.12.2011 | 14.010,00 |
| 32 | 0608.410913 Schnäpel | Charakterisierung der Ökologie und Genetik des Schnäpels | LLUR (LANU) | Prof. Reusch | 01.12.2009 - 31.07.2010 | 37.740,00 |
| 33 | 0608.411012 Nordseeschnäpel in der Treene | Untersuchung der Taxonomie, Populationsbiologie und des Wanderverhaltens des Nordseeschnäpels in der Treene | LLUR (LANU) | Dr. Eizaguirre | 01.11.2010 - 31.10.2011 | 51.600,00 |
| 34 | 0608.450923.1 Bedeutung Blasentang | Untersuchung der Bedeutung des Blasentanges | LLUR (LANU) | Prof. Wahl | 01.11.2009 - 30.11.2010 | 44.000,00 |
| 35 | 450924 -Dasya & Gracilaria | Untersuchungen von Dasya & Gracilaria für das Landesamt für Landwirtschaft, Umwelt und ländliche Räume des Landes Schleswig-Holstein | LLUR (LANU) | Dr. Weinberger | 01.09.2009 - 30.11.2011 | 90.000,00 |
| 36 | 451022 Seagrass in der Lübecker Bucht | Bedeutung von Seegrasswiesen in der Lübecker Bucht | LLUR (LANU) | Prof. Reusch | 01.10.2010 - 30.11.2011 | 59.800,00 |
| 37 | Fucus-Verbreitung 131-0608.46-195 | Untersuchung der Fucus-Verbreitung für das LLUR | LLUR (LANU) | Prof. Wahl | 01.10.2007 - 30.11.2010 | 140.600,00 |
| 38 | Fucus-Wiederansiedlung | Fucus Wiederansiedlung | LLUR (LANU) | Prof. Wahl | 01.09.2010 - 31.12.2011 | 49.000,00 |
| 39 | LLUR 125-0608.451018 Zoobenthos Kieler Bucht | Zoobenthos Kieler Bucht: Probennahme in der Kieler Bucht und deren Analyse nach Makrobenthos Verfahren | LLUR (LANU) | Dr. Rumohr, H. | 01.08.2010 - 31.05.2011 | 3.000,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--|---|----------------|----------------|-------------------------|---------------------|
| 40 | LLUR 4121.3-2009-586F,WRRL Monitoring 2008 | Auswertung von Proben für das WRRL-Monitoring aus dem Jahr 2008 und 2009 | LLUR (LANU) | Prof. Sommer | 01.09.2009 - 31.05.2010 | 36.500,00 |
| 41 | LLUR Auswertung WRRL-Monitoring 2010 | LLUR Auswertung Proben WRRL-Monitoring 2010 | LLUR (LANU) | Prof. Sommer | 15.10.2010 - 14.08.2011 | 53.600,00 |
| 42 | Seegras 0608.450904 | Bedeutung von Seegraswiesen in der Ostsee | LLUR (LANU) | Prof. Reusch | 01.05.2009 - 30.11.2010 | 98.350,00 |
| 43 | Sublitorales Seegras (Watt) LLUR451014 | Sublitorales Seegras (Watt) für das Landesamt für Landwirtschaft, Umwelt und ländliche Räume des Landes Schleswig-Holstein | LLUR (LANU) | Prof. Reusch | 01.08.2010 - 30.11.2011 | 44.000,00 |
| 44 | Sterblichkeit von Aalen | Quantifizierung der fischereilichen, sonstigen anthropogen bedingten und natürlichen Sterblichkeit von Aalen im Einzugsgebiet der Schwentine (Schleswig-Holstein) | MLET | Prof. Hanel | 01.09.2008 - 31.12.2011 | 328.168,62 |
| 45 | BIOKATALYSE 2021-P24 | Nachhaltige Biokatalyse auf neuen Wegen - BIODIVERSITY 2021: Isolierung, Charakterisierung und Produktion antimikrobieller (AMPs) mariner Organismen | MWV | Prof. Imhoff | 01.07.2008 - 30.06.2011 | 450.000,00 |
| 46 | KiWIZ II | KiWiZ II - Zentrum für marine Wirkstoffforschung im IFM-Geomar | MWV | Prof. Imhoff | 01.01.2008 - 31.12.2010 | 2.997.000,00 |
| 47 | NEMO TP 1 | "Nachhaltige Ernährung mit Marinen Organismen - NEMO" als Teilprojekt der Maßnahme "Aufbau des Nationalen Kompetenzzentrum Marikultur | MWV | Dr. Waller | 01.01.2009 - 31.12.2012 | 382.354,00 |
| 48 | NEMO TP 2 | "Nachhaltige Ernährung mit Marinen Organismen - NEMO" als Teilprojekt der Maßnahme "Aufbau des Nationalen Kompetenzzentrum Marikultur | MWV | Dr. Ueberschär | 01.01.2009 - 31.12.2012 | 165.593,00 |
| 49 | NEMO TP 3 | "Nachhaltige Ernährung mit Marinen Organismen - NEMO" als Teilprojekt der Maßnahme "Aufbau des Nationalen Kompetenzzentrum Marikultur | MWV | Prof. Sommer | 01.01.2009 - 31.12.2012 | 166.297,00 |
| 50 | NEMO TP 4 | "Nachhaltige Ernährung mit Marinen Organismen - NEMO" als Teilprojekt der Maßnahme "Aufbau des Nationalen Kompetenzzentrum Marikultur | MWV | Dr. Ueberschär | 01.01.2009 - 31.12.2012 | 213.837,00 |
| 51 | NEMO TP 5 | "Nachhaltige Ernährung mit Marinen Organismen - NEMO" als Teilprojekt der Maßnahme "Aufbau des Nationalen Kompetenzzentrum Marikultur | MWV | Prof. Hanel | 01.01.2009 - 31.12.2012 | 153.126,00 |
| 52 | NEMO TP 6 | "Nachhaltige Ernährung mit Marinen Organismen - NEMO" als Teilprojekt der Maßnahme "Aufbau des Nationalen Kompetenzzentrum Marikultur | MWV | Dr. Waller | 01.01.2009 - 31.12.2012 | 303.014,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|------------------------------------|---|-------------------|--------------------------|-------------------------|---------------------|
| 53 | NEMO TP 7 | "Nachhaltige Ernährung mit Marinen Organismen - NEMO" als Teilprojekt der Maßnahme "Aufbau des Nationalen Kompetenzzentrum Marikultur | MWV | Dr. Froese | 01.01.2009 - 31.12.2012 | 89.411,00 |
| 54 | Subito-Reinsubstanz-Bibliothek | Aufbau einer Reinsubstanz-Bibliothek mariner Naturstoffe im Zusammenhang mit dem Europäischen Screening Port in Hamburg | MWV | Prof. Imhoff | 01.11.2008 - 31.12.2011 | 1.819.859,00 |
| 55 | 211384 EPOCA | EPOCA - Euroean Project on Ocean Acidification | EU | Dr. Clemmesen-Bockelmann | 01.05.2008 - 30.04.2012 | 100.208,00 |
| 56 | 211384 EPOCA | EPOCA - Euroean Project on Ocean Acidification | EU | Prof. Sommer | 01.05.2008 - 30.04.2012 | 100.208,00 |
| 57 | 228224 MesoAqua | Network of leading MESOcosm facilities to advance the studies of future AQUATIC ecosystems from the Arctic to Mediterranean | EU | Prof. Sommer | 01.01.2009 - 31.12.2012 | 244.900,00 |
| 58 | 4D4Life /238988 | 4D4Life:Distributed Dynamic Diversity Databases for Life INFRA-2008-1.2.2: Scientific Data Infrastructure | EU | Dr. Froese | 01.05.2009 - 30.04.2012 | 20.116,00 |
| 59 | MIRG-CT-2007-208801 IDA | IDA - Intraspecific Diversity and Adaptability of Fucus vesiculosus at range limits | EU | Prof. Wahl | 01.10.2007 - 30.09.2011 | 100.000,00 |
| 60 | PICOS 215056 | PICOS - Privacy and Identity Management for Community Services | EU | Dr. Ueberschär | 01.02.2008 - 30.06.2011 | 348.218,00 |
| 61 | PIOF- GA-2008-221840 SeagrassTime | SeagrassTime: Trophic Cascades in Marine Ecosystems Marie Curie Outgoing Fellowship, Britta Munkes, Australien | EU | Prof. Sommer | 01.08.2008 - 31.07.2011 | 236.637,45 |
| 62 | PITN-GA-2008-215157 CarlMarO | CalMarO -Calcification by Marine Organism Networks for Initial Training (ITN) Marie Curie/SP3 People | EU | Dr. Clemmesen-Bockelmann | 01.10.2008 - 30.09.2012 | 194.585,49 |
| 63 | PITN-GA-2008-215157 CarlMarO | CalMarO -Calcification by Marine Organism Networks for Initial Training (ITN) Marie Curie/SP3 People | EU | Prof. Wahl | 01.10.2008 - 30.09.2012 | 194.585,49 |
| 64 | SUBMARINER | Sustainable Uses of Baltic Marine Resources - SUBMARINER | EU | Prof. Imhoff | 01.10.2010 - 31.12.2013 | 167.510,00 |
| 65 | Uncover | Understanding the mechanisms of stock recovery | EU | Dr. Voss | 01.03.2006 - 28.02.2010 | 240.882,00 |
| 66 | Drittmittelvertrag Springer Verlag | Beschäftigung einer Redaktionsassistentin für die Betreuung der Zeitschrift: Marine Biology (Herausgeber:Prof. Sommer/IFM-GEOMAR | Sonstige - Privat | Prof. Sommer | 01.08.2007 - 31.12.2013 | 220.824,30 |
| 67 | DTU-AQUA | Ichthyoplankton Analysis - Baltic Sea | Sonstige | Haslob, Holger | 01.06.2009 - 31.12.2010 | 14.000,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|---------------------------------------|--|-------------------|-----------------|-------------------------|---------------------|
| 68 | FeBeC TP 3 RNA/DNA & Otolith | Fehmarnbelt-Brücke: Modelluntersuchungen zur Signifikanz der Veränderungen durch den Brückenbau im Vergleich der Klimaänderungen der gesamten Ostsee | Sonstige - Privat | Dr. Petereit | 01.01.2009 - 31.12.2010 | 124.000,00 |
| 69 | FeBeC TP 3-Experimente | Fehmarnbelt-Brücke: Modelluntersuchungen zur Signifikanz der Veränderungen durch den Brückenbau im Vergleich der Klimaänderungen der gesamten Ostsee. TP3 Experimente | Sonstige - Privat | Dr. Petereit | 01.10.2009 - 31.12.2010 | 187.950,00 |
| 70 | GAME III | Internationales Ausbildungs-und Forschungsprogramm GAME III | Sonstige | Dr. Lenz | 01.10.2008 - 31.01.2011 | 56.000,00 |
| 71 | H1205218999915473 Doppelkarrierepaare | Sachbeihilfe im Rahmen des Aktionsprogramms Doppelkarrierepaare | Sonstige | Dr. Bockelmann | 01.02.2009 - 31.01.2012 | 44.815,00 |
| 72 | I/84 160 VW-Pipefish | Evolutionary costs and benefits of trans-generational immune priming in a sexrole reversed fish | Sonstige | Prof. Reusch | 01.05.2009 - 30.04.2012 | 241.500,00 |
| 73 | I/84 160 VW-Pipefish | Auftstockung für 2010: Evolutionary costs and benefits of trans-generational immune priming in a sexrole reversed fish | Sonstige | Prof. Reusch | 01.01.2010 - 31.12.2010 | 18.600,00 |
| 74 | I/84 763 VW Global Change | The effect of global change on host-parasite interactions and coevolution of the deepsnouth pipefish (Syngnathus typhle) and its parasite (Cryptocotyle lingua) | Sonstige | Landis, Susanne | 01.04.2010 - 31.03.2013 | 190.300,00 |
| 75 | JEDDAH TP 3 | The Jeddah Transect - From coastal zone to deep rift basin: an integrated view of the geology, ecology, resources and biology of an infant ocean. Ziel: die geologischen, ökologischen, biologischen Aspekte eines entstehenden Ozeans zu untersuchen. | Sonstige | Prof. Wahl | 01.07.2010 - 30.06.2013 | 325.000,00 |
| 76 | JEDDAH TP 3.1 | The Jeddah Transect - From coastal zone to deep rift basin: an integrated view of the geology, ecology, resources and biology of an infant ocean. Ziel: die geologischen, ökologischen, biologischen Aspekte eines entstehenden Ozeans zu untersuchen. | Sonstige | Prof. Sommer | 01.07.2010 - 30.06.2013 | 325.000,00 |
| 77 | MSRL, Unterauftrag | Methodische Grundlagen für sozio-ökonomische Analysen sowie Folgeabschätzungen von Maßnahmen einschl. Kosten-Nutzen-Analysen nach EG-Meeresschutzstrategie-Richtlinie (MSRL) | Sonstige - Privat | Dr. Hiebenthal | 15.12.2010 - 30.04.2012 | 8.899,88 |
| 78 | Stipendiat Hoang Xuan Ben | Kosten für den Aufenthalt Stipendiat Hoang Xuan Ben aus Vietnam | Sonstige | Prof. Wahl | 01.12.2010 - 30.11.2013 | 10.000,00 |
| 79 | SUBMARINER Zuschuss | Zuschuss für das Projekt: SubMariner (Interreg IV) vom Ministerium für Justiz, Gleichstellung und Integration Kiel | Sonstige | Prof. Imhoff | 01.01.2010 - 31.12.2010 | 15.000,00 |
| | | | | | | 14.870.384,23 |

¹ Total Budget over the complete funding period

Projects - Research Division 4: Dynamics of the Ocean Floor

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|---|--|----------------|----------------|-------------------------|---------------------|
| 1 | BE 1041/28-1 NeXT | Natural and experimental faulting of rocks, Nankai Accretionary Prism. Follow-up work to IODP Expeditions 315 and 316 | DFG | Prof. Behrmann | 01.10.2009 - 30.09.2010 | 45.900,00 |
| 2 | BE 1041/29-1 SACOM | Deformation and syn-rift magmatism at the South Atlantic passive continental margin, Walvis Ridge area. A marine wide angle seismic and magnetotelluric experiment | DFG | Prof. Behrmann | 01.10.2010 - 30.06.2013 | 375.940,00 |
| 3 | CLUSTER - 2007/2 CP07A46, /36 Model Macroalga | Submarine Hazards Junior Professor B4 | DFG | Prof. Krastel | 01.03.2008 - 30.10.2011 | 800.000,00 |
| 4 | CLUSTER - 2007/2 CP07A53 Iceflow /33 | CLUSTER: Iceflow activity revealed from submarine morphology - mapping glacial-morphological manifestations of retreating ice-front | DFG | Dr. Weinrebe | 01.02.2008 - 31.03.2010 | 35.300,00 |
| 5 | CLUSTER - 2008/1 CP0810 OBS-- Thermo/68 | OBS-Thermo: co-reistration of geophysical data at hydrothermal vents -a first step to a new ocean bottom observatory | DFG | Dr. Bialas | 01.01.2009 - 31.12.2010 | 50.000,00 |
| 6 | CLUSTER - 2009/1 CP0912, Tsunami risk /84 | Submarine landslides and associated tsunami risk: Combining observations and an integrated modeling approach | DFG | Prof. Krastel | 01.11.2009 - 30.06.2011 | 51.000,00 |
| 7 | CLUSTER - Datenmanagement-Pool /77 | Datenmanagement-Pool | DFG | Dr. Weinrebe | 01.07.2009 - 31.10.2011 | 15.000,00 |
| 8 | CLUSTER - Meeresboden-Ressourcen 1067/22 | Meeresboden-Ressourcen, CLUSTER B3 Gruppe | DFG | Prof. Rüpke | 01.12.2007 - 30.11.2010 | 750.000,00 |
| 9 | FR 947/11-2 Phreatoplinian Eruptions | Phreatoplinianische Eruptionen: Vergleichende Fallstudien zur Herleitung ihrer Mechanism. | DFG | Dr. Freundt | 01.09.2009 - 31.08.2010 | 91.550,00 |
| 10 | GR 1964/12-1 TopoMed | Plate re-organization in the western Mediterranean: lithospheric causes and topographic consequences (TopoMed) Eurorores Programm: Topo-Europe | DFG | Dr. Grevemeyer | 01.01.2009 - 31.12.2011 | 288.200,00 |
| 11 | GR 1964/13-1 TYRRHENIS | Tyrrhenian sea Seismic experiment on continental break-up and structure of conjugated rifted margins | DFG | Dr. Grevemeyer | 01.03.2010 - 28.02.2013 | 231.980,00 |
| 12 | HA 2100/12-1, Fogo-Barometrie | Aufstieg von Magmen historischer Eruption auf Fogo (Kapverden): Implikationen für Ausbruchsdynamik und Vulkangefahren | DFG | Dr. Hansteen | 01.02.2007 - 31.03.2010 | 13.000,00 |
| 13 | HA 2100/12-2, Fogo-Barometrie | Aufstieg von Magmen historischer Eruption auf Fogo (Kapverden): Implikationen für Ausbruchsdynamik und Vulkangefahren | DFG | Dr. Hansteen | 01.03.2009 - 28.02.2010 | 8.000,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--|---|----------------|---------------|-------------------------|---------------------|
| 14 | HO 1833/17-1, WALVIS I | WALVIS I: Ar/Ar Geochronology and Geochemistry of existing samples from the Walvis Ridge and Rio Grande Rise | DFG | Prof. Hoernle | 01.01.2009 - 30.06.2010 | 61.661,00 |
| 15 | HO 1833/18-1, Ozeankruste Leg 106 | Hoch-Präzisions Pb (double spike) and Sr-Nd-Hf-Isotopenvariation der oberen Ozeankruste des Leg 206 (Site 1256, östlicher Zentralpazifik) | DFG | Prof. Hoernle | 01.09.2008 - 31.08.2010 | 141.800,00 |
| 16 | HO 1833/19-1, Vertretung Prof. Hoernle | Investigations of Intraplate Volcanism: Caribbean Large Igneous Province, Galapagos Plume-Ridge Interaction and Eastern North Atlantic Volcanism. Vertretungsregelung Prof. Hoernle | DFG | Prof. Hoernle | 01.04.2010 - 31.07.2010 | 20.090,00 |
| 17 | HO 1833/21-1, Shatsky Rise | Shatsky Rise: Ar/Ar Geochronology and geochemistry of igneous rock samples from the Shatsky Rise Plateau (northwest Pacific Ocean) | DFG | Prof. Hoernle | 01.09.2010 - 31.08.2012 | 178.550,00 |
| 18 | HO 1883/17-2 WALVIS I | WALVIS-I: Ar/Ar Geochronologie und Geochemie vorhandener Proben des Walvis und Rio Grande Rückens | DFG | Prof. Hoernle | 01.10.2010 - 31.03.2012 | 112.100,00 |
| 19 | JE 296/8-1 ELCONA | Die land- und seeseitige tiefe elektrische Leitfähigkeitssruktur zur Untersuchung von magmatischen Ereignissen des Walvis Rückens und deren Ineraktion mit dem Kaoko Mobile Belt im nördlichen Namibia (ELCONA) | DFG | Dr. Jegen | 01.10.2010 - 31.03.2013 | 16.500,00 |
| 20 | JE 296/9-1 ISOLDE | Elektromagnetische, gravimetrische und seismische Messungen zwecks Erforschung des Tristan da Cunha Hotspots und dessen Rolle in der Öffnung des Süd-Atlantiks | DFG | Dr. Jegen | 01.11.2010 - 30.04.2012 | 104.250,00 |
| 21 | KR 2222/10-1 Sahara-Slide | Morphologie und Evolution der Abreisskannte des Sahara Rutschkomplexes, NW Afrika | DFG | Prof. Krastel | 01.12.2009 - 31.05.2010 | 37.624,00 |
| 22 | KR 2222/7-1, Macedonia/Albania | Bündel-Antrag Ohrid See: Sedimentary and neotectonic history of Lake Ohrid (Macedonia/Albania): aquisition and interpretation of new geophysical and geological data | DFG | Dr. Krastel | 01.03.2008 - 28.02.2010 | 100.720,00 |
| 23 | KR 2222/7-2, Macedonia/Albania | Bündel-Antrag Ohrid See: Sedimentary and neotectonic history of Lake Ohrid (Macedonia/Albania): aquisition and interpretation of new geophysical and geological data | DFG | Prof. Krastel | 01.06.2010 - 30.05.2011 | 42.325,00 |
| 24 | KR 2222/8-2 Andaman Sea, Thailand | MASS-ANDAMAN - Morphodynamics and Slope Stability of the Andaman Sea Shelf (Thailand) | DFG | Dr. Krastel | 01.08.2009 - 31.07.2011 | 180.100,00 |
| 25 | KR 2222/9-1, Lake Van | Mass-Andaman "Sedimentary processes in Lake Van, Turkey - correlation of high resolution seismic records with physicalproperties data | DFG | Prof. Krastel | 01.02.2010 - 31.01.2012 | 188.900,00 |
| 26 | KU 2685/1-1 Nankai Trough | Herkunftsanalyse und Ablagerungsprozesse von Tephren und tertiären vulkaniklastischen Sandsteinen der IODP Expedition 322, Nankai Trog | DFG | Dr. Kutterolf | 01.10.2010 - 30.09.2012 | 30.950,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|-------------------------------------|--|----------------|---------------------|-------------------------|---------------------|
| 27 | M80/Koordination | Meteor-Cruise M80/3 Geology and biology of seamounts in the Cape Verde Archipelago | DFG | Dr. Hansteen | 01.06.2009 - 31.05.2010 | 116.049,00 |
| 28 | M81/Koordination | M 81-Koordination: GEOTRACES Atlantic-Verteilung von Spurenelementen und deren Isotopen in der Wassersäule des tropischen Atlantiks als Funktion von Ozeanzirkulation, Sateintrag und biogeochemischen Kreisläufen. CLIP- Entstehung der karibischen Flutbasaltprov. | DFG | Dr. Werner | 01.11.2009 - 31.12.2010 | 374.280,00 |
| 29 | MSM 17 Koordination | Koordination der Expedition 17/1-17/4 des F.S. Maria S.Merian | DFG | Prof. Behrmann | 01.10.2010 - 31.05.2011 | 26.970,00 |
| 30 | WE 2543/3-1, Dr. Wu Jin-Rong, China | Zusammenarbeit mit China im Rahmen der DFG-NSFC-Vereinbarung: Gastaufenthalt Dr. Jin-Rong-Wu (3 Monate) | DFG | Dr. Weinrebe | 01.05.2010 - 31.08.2010 | 7.600,00 |
| 31 | TP A01 | Darstellung von Tektonik, Fluidströmen und Hangstabilität durch multiskalige Kartiermethoden | DFG-SFB574 | Prof. Behrmann | 01.07.2008 - 30.06.2012 | 371.500,00 |
| 32 | TP A05 | TP A05: Serpentinisierung in Subduktionszonen | DFG-SFB574 | Dr. Grevemeyer | 01.07.2008 - 30.06.2012 | 340.900,00 |
| 33 | TP A2 | Wechselwirkungen und Transfer zwischen Ober- und Unterplatte | DFG-SFB574 | Prof. Flüh / Rabbel | 01.01.2001 - 30.06.2011 | 1.133.161,00 |
| 34 | TP B05 | TP: B05 - Diagenetische Prozesse in Forearc Sedimenten und der Volatileintrag in Subduktionszonen Systeme: Akkumulation, Transport und Freisetzung von Volatilen | DFG-SFB574 | Dr. Hansteen | 01.07.2008 - 30.06.2012 | 147.450,00 |
| 35 | TP C02 | TP C02: Zusammensetzung und Dynamik von Magmensystemen in Subduktionszonen: Magmenentstehung, zeitliche und räumliche Variationen | DFG-SFB574 | Prof. Hoernle | 01.07.2008 - 30.06.2012 | 430.100,00 |
| 36 | TP C04 | TP C04 - Krustale Einflüsse auf das Volatilen-Inventar differenzierender Arc-Magmen und Konsequenzen für Vulkangefahren | DFG-SFB574 | Dr. Freundt | 01.07.2008 - 30.06.2012 | 431.600,00 |
| 37 | TP C05 | TP C05. Modellierung von Klimaeffekten/Rückkopplungen und Subduktionsprozessen | DFG-SFB574 | Prof. Rüpke | 01.07.2008 - 30.06.2012 | 126.870,00 |
| 38 | TP Z01 | TP Z01: Zentrale Aktivitäten und Logistik | DFG-SFB574 | Prof. Hoernle | 01.07.2008 - 30.06.2012 | 1.155.700,00 |
| 39 | 03G0195A SO 195 TOTAL | SO 195 TOTAL: Untersuchung zum seismischen Risikopotential verursacht durch Erdbeben in Subduktionszonen | BMBF | Dr. Grevemeyer | 01.04.2007 - 30.06.2010 | 407.808,00 |
| 40 | 03G0199A SO 199 CHRISP | SO 199 CHRISP: Christmas Island Seamount Province and the Investigator Ridge: Age and Causes of Intraplate Volcanism and geodynamic Evolution of the South-Eastern Indian Ocean | BMBF | Prof. Hoernle | 01.05.2008 - 30.06.2010 | 274.959,00 |

Appendices

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--|--|----------------|----------------|-------------------------|---------------------|
| 41 | 03G0203A SO 203 Woodlark | SO 203-WOODLARK- Magmengenese, Tektonik und Hydrothermalismus entlang der propagierenden Spreizungsachse im Woodlark Becken (SW-Pazifik) | BMBF | Prof. Devey | 10.07.2009 - 31.12.2011 | 361.379,00 |
| 42 | 03G0208A SO 208 PLUMEFLUX | SO 208 PLUMEFLUX: Ausbreitung von Galapagosplumematerial im äquatorialen Ostpazifik | BMBF | Prof. Hoernle | 01.05.2010 - 31.08.2012 | 863.330,00 |
| 43 | 03G0209B SO 209 Tektonik und Morphologie | SO 209 - Tektonik und Morpohologie des Kontinentalrandes vor Peru und Chile - bathymetrische Kartierungen während der biologischen Arbeiten. | BMBF | Prof. Flüh | 01.07.2010 - 31.12.2011 | 17.965,00 |
| 44 | 03G0212A SO 212-TACO | TACO- Tectonics and Aftershocks of the M8.8 2010 Chile earthquake monitored by Ocean-bottom-seismometers | BMBF | Prof. Flüh | 01.07.2010 - 30.06.2012 | 85.441,00 |
| 45 | 03G0646G Exupery | Verbundprojekt FW: EXUPERY; Vorhaben: Bodenbasierte Gasfluss-Messungen-Sonderprogramm GEOTECHNOLOGIEN | BMBF | Dr. Hansteen | 01.07.2007 - 30.10.2010 | 33.900,00 |
| 46 | 03G0672A KALMAR II TP3 | KALMAR II TP 3 - Kurile Kamchatka an Aleuten Marginal Sea Island Arc Systems: Geodynamic and Climate Interaction in Space and Time | BMBF | Prof. Hoernle | 01.01.2009 - 31.12.2011 | 165.652,00 |
| 47 | 03G0687A SUGAR TP Z | Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A: Submarine Gashydrat-Lagerstätten als Deponie für die CO ₂ -Sequestrierung; Vorhaben. Prospektion und Exploration von Gashydrat-Lagerstätten - Sonderprogramm GEOTECHNOLOGIEN | BMBF | Dr. Bialas | 01.05.2008 - 30.04.2011 | 174.255,00 |
| 48 | 03G0687A SUGAR TP 2.1 | Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A: s.o. | BMBF | Dr. Bialas | 01.05.2008 - 30.04.2011 | 1.177.017,00 |
| 49 | 03G0687A SUGAR TP 2.1 | Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A: s.o. | BMBF | Dr. Jegen | 01.05.2008 - 30.04.2011 | 167.191,00 |
| 50 | 03G0687A SUGAR TP A1.1 | Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A: s.o. | BMBF | Dr. Weinrebe | 01.05.2008 - 30.04.2011 | 356.423,00 |
| 51 | BRA 10/J23 Koop. Brasilien | Deutsch-Brasilianische Initiative zur kooperierenden Forschung von Gashydraten und CO ₂ Speicherung | BMBF | Dr. Bialas | 01.07.2010 - 31.08.2011 | 7.416,00 |
| 52 | NZL 08/028 Koop. Neuseeland | Internationale Zusammenarbeit in Bildung und Forschung mit Neuseeland Kombinierte seismische Interpretation über das Raukumara Becken und die südliche Kermadec Subduktionszone | BMBF | Dr. Scherwarth | 01.09.2008 - 31.08.2010 | 3.426,00 |
| 53 | TEWS 03TSU01 | Tsunami-Frühwarnsystem zur Finanzierung von Ocean-Bottom-Units | BMBF | Prof. Flüh | 01.04.2005 - 31.03.2011 | 4.548.883,53 |
| 54 | NOVAC (18354 GOCE) | Network for Observation of Volcanic and Atmospheric Change Specific Target Research Project | EU | Dr. Hansteen | 01.10.2005 - 31.03.2010 | 79.200,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--------------------------------|--|----------------|--------------|-------------------------|---------------------|
| 55 | THALES WAS RIGHT (029080) | Transients in the Hellenic and Antilles Locii of Earthquakes of European Subduction Water Activity Structure and Seismic Risk Illuminated by Geophysical High Technology | EU | Prof. Flüh | 15.05.2006 - 14.04.2010 | 393.000,00 |
| 56 | JEDDAH TP 2 | The Jeddah Transect - From coastal zone to deep rift basin: an integrated view of the geology, ecology, resources and biology of an infant ocean. Ziel: die geologischen, ökologischen, biologischen Aspekte eines entstehenden Ozeans zu untersuchen. | Sonstige | Prof. Devey | 01.07.2010 - 30.06.2013 | 745.000,00 |
| 57 | MONTSEERRAT-Ausfahrt | Emplacement process and timing of large volcanic debris avalanches, Montserrat, Lesser Antilles: implications for volcanic and tsunami hazard | Sonstige | Prof. Berndt | 01.02.2010 - 31.12.2010 | 11.000,00 |
| 58 | Orphan Basin | Agreement mit der Dählhousie University "Orphan Basin seismic survey 2010" | Sonstige | Prof. Flüh | 01.07.2010 - 31.12.2010 | 15.000,00 |
| 59 | PAHAOA 3D | Mittel im Zusammenhang mit SO 213 NEMESYS von GNS Science, New Zealand | Sonstige | Dr. Bialas | 01.06.2010 - 31.12.2010 | 136.600,00 |
| 60 | PETROBAR-IPY | Ausleihe Ocean Bottom Seismometer in der Barents See, Norwegen | Sonstige | Prof. Flüh | 01.04.2010 - | 80.000,00 |
| 61 | PETROBAR-IPY | Ausleihe Ocean Bottom Seismometer in der Barents See, Norwegen | Sonstige | Prof. Flüh | 01.07.2008 - | 80.000,00 |
| 62 | SINDRI II | 3D Joint inversion of FTG, MT and seismic data in the south eastern Faroe-Shetland basin | Sonstige | Dr. Jegen | 01.08.2010 - 31.07.2012 | 165.797,00 |
| 63 | TIGER | Promotionsstipendium Alexey Shulgin: Tiefenstruktur der Sumatra-Subduktionszone: Geophysikalische Analyse der seismischen Rupturzonen von 2004/2005 | Sonstige | Prof. Kopp | 01.07.2010 - 31.03.2011 | 9.900,00 |
| 64 | TopoScandiaDeep | Ausleihe Ocean Bottom Seismometer im More-Becken Norwegen | Sonstige | Prof. Flüh | 01.05.2009 - 30.06.2010 | 50.000,00 |
| 65 | Vishiti, InterRidge Fellowship | Stipendium für Fellow, Vishiti, aus Kamerun | Sonstige | Prof. Devey | 01.12.2010 - 31.12.2010 | 3.679,56 |
| | | | | | | 19.047.842,09 |

¹ Total Budget over the complete funding period

Appendices

Projects - Central Facilities

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|---|---|-------------------|-----------------|-------------------------|---------------------|
| 1 | CLUSTER - OH Allgemein | CLUSTER Overhead Allgemein | DFG | Prof. Herzig | 01.01.2007 - 31.10.2011 | 906.750,00 |
| 2 | DFG Programm-Pauschale | DFG Programmpauschale für Sachbeihilfen 20 % | DFG | Prof. Herzig | 01.01.2008 - | 463.439,00 |
| 3 | Schm 250/86-1 Lake Van Anatolia | Evolution of highly explosive Nemrut and Süphan volcanoes (NE Anatolia) and Lake Van basin during the past 500.000 years | DFG | Prof. Schmincke | 01.05.2009 - 28.02.2010 | 70.350,00 |
| 4 | Schm 250/84-2 Impact of volcanic climate 2 | Impact of volcanic climate perturbation caused by Laacher See eruption onto the proximal environment and terminal eruptive mechanisms | DFG | Prof. Schmincke | 01.05.2009 - 30.04.2010 | 21.387,00 |
| 5 | Schm 250/87-1 Lake Van (Turkey) | Impact of long-term explosive volcanism from Nemrut and Süphan volcanoes on the compositional, temporal, dynamic and paleoclimatic evolution of Lake Van (Turkey) | DFG | Prof. Schmincke | 01.04.2010 - 31.03.2012 | 185.370,00 |
| 6 | Masterstudiengang China 2 CHN 05/Q18 | Durchführung eines gemeinsamen Masterstudienganges Meereswissenschaften unter Beteiligung der Universitäten Kiel und Bremen in Deutschland und der Ocean University of China, Qingdao | BMBF | Prof. Herzig | 01.01.2010 - 30.09.2011 | 259.905,00 |
| 7 | JIBA -Energieprojekt | Integration of FTG and reflecton seismic data in exissting joint inversin algorithm tomography, gravity and MT data | IPP | Dr. Jegen | 01.01.2008 - 31.01.2011 | 741.900,00 |
| 8 | Clathrat | Erdgasgewinnung aus natürlichen Gashydraten durch CO ₂ -Injektion in marine Sedimente | RWE-DEA Clathrat | Dr. Haeckel | 01.10.2007 - 31.12.2010 | 1.075.000,00 |
| 9 | Caspian Sea | Seafloor manifestations of deep hydro carbon systems in the South Caspian Sea | RWE-DEA WND | Dr. Brückmann | 01.07.2010 - 31.12.2010 | 102.362,00 |
| 10 | WND | WND- West Nil Delta | RWE-DEA WND | Dr. Brückmann | 01.01.2007 - 31.12.2010 | 6.404.500,00 |
| 11 | WND - Overhead | Energieprojekt - West Nil Delta Overhead/Management | RWE-DEA WND | Dr. Brückmann | 01.01.2007 - 31.12.2010 | 290.000,00 |
| 12 | Fluid- und Gasautritte in der SDNS | Fluid- und Gasaustritte am Meeresboden der Südlichen Deutschen Nordsee (SDNS) | Wintershall SDNS | Dr. Linke | 01.10.2007 - 30.09.2010 | 2.631.000,00 |
| 13 | Fluid- und Gasautritte in der SDNS OV Linke | Fluid- und Gasaustritte am Meeresboden der Südlichen Deutschen Nordsee (SDNS) | Wintershall SDNS | Dr. Linke | 01.10.2007 - 30.09.2010 | 248.100,00 |
| 14 | TIMBA | Towards the integration of multidisciplinary geophysical data in a shelf area - the Büsum-Nord area as an example | Wintershall TIMBA | Dr. Jegen | 01.11.2007 - 31.10.2010 | 2.896.400,00 |

| No. | Shorttitle/Framework | Research theme | Funding Agency | Lead PI | Funding period | Budget ¹ |
|-----|--------------------------------------|---|----------------------|--------------------|-------------------------|---------------------|
| 15 | Energieprojekte OV Herzig | Energieprojekte Overhead Prof. Herzig | Sonstige Energie-Pr. | Prof. Herzig | 01.10.2007 - 31.12.2010 | 741.000,14 |
| 16 | Fokoop. Mexico 3.4Fokoop-DEU/1025202 | Unterstützung der Institutspartnerschaft mit Prof.. Siebe, Instituto Geofisica, Universidad Nacional Autonoma de Mexico, Coyoacan, Mexico | AvH | Prof. Schmincke | 01.07.2007 - 30.06.2010 | 48.550,00 |
| 17 | JAGO | Einnahmen aus Vercharterung JAGO | JAGO | Dr. Hissmann | 01.07.2006 - 31.12.2049 | 198.000,00 |
| 18 | Allgem. Forschungstätigkeiten | Unterstützung Wissenschaftler | Sonstige | Prof. Herzig | 01.01.2006 - 31.12.2049 | 12.000,00 |
| 19 | Gastforscheraufenthalt | Förderung im Rahmen der Exzellenz-Initiative der Prof. Dr. Werner Petersen-Stiftung von renomierten Wissenschaftlern | sonstige | Prof. Herzig | 01.11.2009 - 31.12.2010 | 100.000,00 |
| 20 | MANAFA | Collaboration Agreement: ATLANTIS II exploration support for DFI-MANAFA | Sonstige - Privat | Dr. Brückmann | 01.12.2010 - 30.11.2011 | 102.576,00 |
| 21 | MS Wissenschaft | Förderung eines Ausstellungsmoduls an Bord des Schiffes "MS Wissenschaft"; Gashydrat - Energiequelle der Zukunft, Klimakiller und Stabilisator der Kontinentalhänge. Informationsangebot für Schülerinnen und Schüler | Sonstige | Dr. Hoffmann-Wieck | 01.03.2010 - 31.10.2010 | 21.102,00 |
| 22 | Ocean Award | Ocean Research Scholarships Elisabeth-Mann-Borgese-Meeresspreisgeld 2009 Prof. Joe Borg Zusammenarbeit mit IFREMER und NOCS | Sonstige | Prof. Herzig | 01.12.2009 - 31.12.2010 | 20.000,00 |
| 23 | Öffentlichkeitsarbeit TP 2 | Ausstellungskasten an der Kiellinie 2010 Filmprogramm Future Ocean Juni/Juli 2007 Gesamt 2.776,00 Eigenanteil 924,00 | Sonstige | Dr. Hoffmann-Wieck | 01.01.2007 - 31.12.2010 | 6.852,00 |
| 24 | private Vercharterung AUV | Vercharterung AUV / Privat | Sonstige - Privat | Dr. Lackschewitz | 01.01.2010 - | 168.504,94 |
| 25 | Vercharterung AUV | Vercharterung AUV | Sonstige | Dr. Lackschewitz | 01.01.2010 - | 328.226,84 |
| | | | | | | 18.377.698,92 |

4. Ship Statistics & Expeditions

Table 4.1: Partners on IFM-GEOMAR research vessels, 2006-2010

Pool partners are the AWI, the University of Hamburg and the IOW; national partners are all other public research institutes; barter cruises within the 'Tripartite Agreement' (NERC, IFREMER, NIOZ, CSIC, IMR), with the FWG, and on "LITTORINA" within the technical agreement with 3L-ELAC (since 2003). Student courses of Kiel University, CAU; days for mobilisation and demobilisation included in total ship days; maintenance and shipyard separately

| Ship | User | Days used | | | | |
|------------|------------------------|------------|------------|------------|------------|------------|
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| "POSEIDON" | IFM-GEOMAR | 14 | 68 | 35 | 123 | 110 |
| | Kiel University | 0 | 0 | 11 | 0 | 0 |
| | Pool partners | 114 | 122 | 104 | 97 | 36 |
| | National partners | 35 | 0 | 59 | 0 | 77 |
| | Barter cruises | 82 | 11 | 0 | 0 | 0 |
| | Charter days at sea | 37 | 20 | 19 | 0 | 0 |
| | Student courses CAU | 0 | 0 | 10 | 0 | 0 |
| | Transfer cruises | 16 | 36 | 31 | 15 | 30 |
| | Mob/demob | | 35 | 34 | 37 | 43 |
| | Total ship days | 298 | 292 | 305 | 272 | 297 |
| | Maintenance | | 56 | 54 | 80 | 51 |
| | Days off | | 17 | 9 | 13 | 3 |
| | | | | | | |
| "ALKOR" | IFM-GEOMAR | 142 | 95 | 152 | 123 | 100 |
| | Kiel University | 16 | 0 | 0 | 2 | 14 |
| | Pool partners | 17 | 56 | 64 | 112 | 64 |
| | National partners | 0 | 0 | 10 | 0 | 11 |
| | Barter cruises | 0 | 0 | 0 | 0 | 0 |
| | Charter days at sea | 37 | 48 | 23 | 0 | 0 |
| | Student courses CAU | 52 | 36 | 20 | 6 | 10 |
| | Transfer cruises | 3 | 4 | 2 | 5 | 2 |
| | Mob/demob | | 33 | 40 | 52 | 29 |
| | Total ship days | 267 | 269 | 311 | 300 | 230 |
| | Maintenance | | 59 | 36 | 50 | 125 |
| | Days off | | 34 | 19 | 15 | 10 |
| | | | | | | |

| Ship | User | Days used | | | | |
|--------------|------------------------|------------|------------|------------|------------|------------|
| | | 2006 | 2007 | 2008 | 2009 | 2010 |
| "LITTORINA" | IFM-GEOMAR | 30 | 23 | 91 | 61 | 53 |
| | Kiel University | 96 | 63 | 57 | 98 | 58 |
| | Pool partners | 3 | 0 | 0 | 4 | 3 |
| | National partners | 0 | 0 | 0 | 0 | 5 |
| | Barter cruises | 9 | 8 | 9 | 14 | 0 |
| | Charter days | 0 | 0 | 0 | 0 | 0 |
| | Student courses CAU | 15 | 14 | 34 | 15 | 42 |
| | Mob/demob | | 9 | 22 | 44 | 3 |
| | Total ship days | 153 | 117 | 213 | 236 | 164 |
| | Maintenance | | 37 | 38 | 18 | 49 |
| | Days off | | 211 | 115 | 111 | 125 |
| | | | | | | |
| | | | | | | |
| "POLARFUCHS" | IFM-GEOMAR | 114 | 182 | 156 | 163 | 116 |
| | Kiel University | 13 | 15 | 12 | 28 | 18 |
| | Pool partners | 15 | 4 | 0 | 0 | 0 |
| | National partners | 0 | 5 | 9 | 0 | 5 |
| | Barter cruises | 0 | 0 | 3 | 2 | 0 |
| | Charter days | 0 | 0 | 0 | 0 | 0 |
| | Student courses CAU | 0 | 5 | 5 | 5 | 0 |
| | Total ship days | 142 | 211 | 185 | 198 | 139 |
| | Maintenance | | 22 | 63 | 21 | 31 |
| | Days off | | 132 | 118 | 146 | 132 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Table 4.2: Major expeditions 2010

| Vessel | Date | Area | Project | PI |
|-------------------------------------|-----------------------|------------------------------------|---------------------------------------|------------------------------|
| METEOR / ROV KIEL 6000 | 29.12.2009-01.02.2010 | Subtropischer Nordostatlantik | Kapverden Seamounts | T. Hansteen |
| POSEIDON | 14.01.2010-24.01.2010 | Westliches Mittelmeer (Alboransee) | TOPO-MED | I. Grevemeyer |
| POSEIDON | 04.02.2010-23.02.2010 | vor Mauretanien | Exzellenz Cluster 'Ozean der Zukunft' | S. Krastel |
| METEOR | 06.02.2010-08.03.2010 | Tropischer Atlantik | GEOTRACES | M. Frank |
| Glider fleet exp. | 06.03.2010-20.03.2010 | vor Kapverden | | T. Kanzow |
| METEOR / ROV KIEL 6000 | 11.03.2010-21.04.2010 | Zentrale Karibik | CLIP | K. Hoernle / R. Werner |
| Chile/Argentinien (L ¹) | 15.03.2010-22.04.2010 | Anden, südliche Vulkanzone | SFB 574 | A. Freundt, S. Kutterolf |
| TRANSDRIFT XV (L ¹) | 15.03.2010-29.04.2010 | Laptev See, Russia | Laptev See | H. Kassens |
| MELVILLE | 17.03.2010-25.03.2010 | vor Chile | SFB574 | D. Chadwell / W. Weinrebe |
| SEABED WORKER / AUV ABYSS | 25.03.2010-28.04.2010 | westl. Atlantik | AF 447 search | S. Petersen |
| RV YUNUS | 26.03.2010-29.03.2010 | Marmara Meer | Seismometer-Aufnahme | A. Dannowski |
| ALKOR | 30.03.2010-18.04.2010 | Ostsee | AQUASHIFT, EPOCA | T. Reusch |
| MERIAN / JAGO | 11.04.2010-08.05.2010 | Schwarzes Meer | HYPOX mit JAGO | A. Boetius / K. Hissmann |
| POLARSTERN | 07.04.2010-17.05.2010 | Atlantik | OCEANET | A. Körtzinger |
| URANIA | 09.04.2010-29.04.2010 | Tyrrhenian Sea | Tyrrhenis | I. Grevemeyer |
| SONNE | 14.04.2010-21.05.2010 | Clarion Clipperton Fracture Zone | MANGAN | K. Rühlemann / A. Eisenhauer |
| COOK | 24.04.2010-15.05.2010 | Montserrat | UK-IODP | Talling, NOCS / C. Berndt |
| ALKOR | 10.05.2010-26.05.2010 | Ostsee | AQUASHIFT, EPOCA | T. Reusch |
| JAMES CLARK ROSS | 22.05.2010-04.06.2010 | vor Portugal | ESONET/MODO | Immingham, J. Karstensen |
| ESPERANZA & VIKING EXPLORER | 26.05.2010-14.07.2010 | Spitzbergen, Kongsfjord | EPOCA | U. Riebesell |

Appendices

| Vessel | Date | Area | Project | PI |
|-----------------------------------|-----------------------|------------------------------|--------------------------------------|---------------------------|
| HAKON MOSBY | 27.05.2010-14.06.2010 | Nordpolarmeer | Aegir Rücken | E. Flueh |
| ALKOR | 29.05.2010-21.06.2010 | Ostsee, Gotlandbecken | SFB754, HYPOX | O. Pfannkuche |
| SONNE | 30.05.2010-19.06.2010 | Costa Rica Mounds | IODP PRESITE SURVEY | C. Hensen |
| METEOR | 21.06.2010-01.07.2010 | Nordatlantik | Erprobung Tiefwasserlot EM122, | W. Weinrebe |
| POSEIDON | 31.05.2010-24.06.2010 | Östlicher Nordatlantik | SOPRAN | H. Bange |
| AEGAEIO | 31.05.2010-11.06.2010 | Nildelta | WND | W. Brückmann |
| CARCIA el CID / JAGO | 07.06.2010-21.06.2010 | Mittelmeer / Balearen | LIFE mit JAGO | M.-J. Gili / K. Hissmann |
| „PaleoVan“ (L ¹) | 18.06.2010-26.09.2010 | Lake Van, Turkey | Lake Van Drilling Project „PaleoVan“ | S. Krastel-Gudegast |
| METEOR | 03.07.2010-02.08.2010 | Irmingersee & Labradorsee | ATLANTIK, CIS | D. Quadfasel / J. Fischer |
| SONNE | 15.07.2010-29.08.2010 | Östlicher Südpazifik | PLUMEFLEX | R. Werner / K. Hoernle |
| SONNE | 30.08.2010-20.09.2010 | Pazifik | Sinnessysteme II | Wagner / W. Weinrebe |
| MERIAN | 17.07.2010-29.07.2010 | Golf v. Cadiz | TOPO-MED | I. Gevemeyer |
| POSEIDON /AUV ABYSS | 14.08.2010-30.08.2010 | Mittelatlantischer Rücken | Tiefseegrabenvermischung | T. Kanzow |
| NIKOLAY EVGENOV (TRANSDRIFT XVII) | 31.08.2010-09.10.2010 | Laptevsee, Russia | System Laptev-See | T. Klagge |
| SONNE / ROV KIEL 6000 | 21.09.2010-01.11.2010 | Östlicher Südpazifik | SFB574, CHIFLUX | P. Linke |
| METEOR | 14.10.2010-13.11.2010 | Tropischer Atlantik | SFB754, ATLANTIK | M. Visbeck |
| POLARSTERN | 25.10.2010-26.11.2010 | Atlantik | OCEANET | K. Bumke |
| SAGAR NIDHI / ABYSS | 03.11.2010-03.12.2010 | Zentralindischer Rücken | | N. Augustin |
| SONNE | 22.12.2010-26.12.2010 | Chilenischer Kontinentalhang | TACO | E. Flüh |
| MERIAN | 23.11.2010-29.12.2010 | Südostatlantik | SFB574 | J. Behrmann |

L¹: Land based expeditions

Table 4.3: Days used by IFM-GEOMAR (chief scientists) on Global Ocean Research Vessels

A total of 29 cruise days on MERIAN were cancelled due to technical until 2008; they are partly replaced by charter days on ATALANTE in 2007 (1 leg, 30 days) and in 2008 (3 legs, 71 days).

| Research Vessel | Ship days used by IFM-GEOMAR | | | | 2010 |
|-----------------------------------|------------------------------|------------------|------------------|------------|------------|
| | 2006 | 2007 | 2008 | 2009 | |
| POLARSTERN | 0 | 24 | 32 | 76 | 74 |
| METEOR | 96 | 33 | 39 | 173 | 118 |
| SONNE | 51 | 140 | 93 | 99 | 114 |
| MERIAN plan / conducted | 80/80 | 104/32 | 80 / 51 | 0 | 81 |
| Barter Ships | 0 | 40 | 60 | 0 | 0 |
| Charter Ships plan / conducted | 0 | 0 / 30 | 0 / 71 | 0 | 12 |
| Sum | 227 | 341 / 299 | 304 / 346 | 348 | 399 |

5. Publications

5.1 Books (Authorship)

Latif, M., 2010: Warum der Eisbär einen Kühlschrank braucht... und andere Geheimnisse der Klima- und Wetterforschung. Herder, Freiburg, 176 pp, ISBN 978-3-451-30163-6.

Morozov, E. G., Demidov, A. N., Tarakanov, R. Y. and **Zenk, W.**, 2010: Abyssal Channels in the Atlantic Ocean, Water Structure and Flows. Springer, Heidelberg, 266 pp, ISBN 978-90-481-9357-8.

Schmincke, H. U., 2010: Vulkanismus. Wissenschaftliche Buchgesellschaft, Darmstadt, 264 pp, ISBN 978-3-534-23628-2

Schmincke, H. U. and **Sumita, M.**, 2010: Geological evolution of the Canary Islands: a young volcanic archipelago adjacent to the old African continent. Görres, Koblenz, 196 pp, ISBN 978-3-86972-005-0

5.2. Books (Editorship)

Jakobsson, M., Long, A., Ingólfsson, O., Kjær, K. H. and **Spielhagen, R.**, eds., 2010: APEX: Arctic Palaeoclimate and its Extremes. Quaternary Science Reviews, 29 (25/26). Pergamon Press, Oxford.

Pierce, G. J., Allcock, L., Bruno, I., Bustamante, P., González, A., Guerra, A., Jereb, P., Lefkaditou, E., Malham, S., Moreno, A., Pereira, J., **Piatkowski, U.**, Rasero, M., Sánchez, P., Santos, B., Santurtún, M., Seixas, S. and Villanueva, R., eds., 2010: Cephalopod biology and fisheries in Europe. ICES Cooperative Research Report. ICES, Copenhagen, Denmark. ISBN 978-87-7482-078-9

Greinert, J., **Bialas, J.**, Lewis, K. and **Suess, E.**, eds., 2010: Methane Seeps at the Hikurangi Margin, New Zealand. Marine Geology - Special issue (272). Elsevier, Amsterdam.

Gelpke, N. and **Visbeck, M.**, eds., 2010: World Ocean Review 2010. Maribus, Bremen. ISBN 978-3-86648-000-1

Riebesell, U., Fabry, V.J., Hansson, L., and Gattuso, J.P. (eds.), 2010: Guide to Best Practices for Ocean Acidification Research and Data Reporting. Publications Office of the European Union, Luxembourg.

Rona, P. A., **Devey, C. W.**, Dymont, J. and Murton, B. J., eds., 2010: Diversity of Hydrothermal Systems on Slow Spreading Ocean Ridges. Geophysical Monograph Series, **188**. American Geophysical Union, Washington DC. ISBN 978-0-87390-478-8

Söding, E., Balzereit, F. and **Schäfer, K.**, eds., 2010: Die Ölkatastrophe im Golf von Mexiko - was bleibt?. Exzellenzcluster „Ozean der Zukunft“, Christian-Albrechts-Universität, Kiel.

5.3 Book contributions

Bange, H., **Freing, A.**, **Kock, A.** and Löscher, C., 2010: Marine pathways to nitrous oxide. In: Nitrous oxide and climate change. Earthscan, London, 36-62. ISBN 978-1-84407-757-1

Butchart, N., Charlton-Perez, A., Cionni, I., Hardiman, S. C. and **Krüger, K.**, 2010: Stratospheric Dynamics . In: SPARC CCMVal Report on the Evaluation of Chemistry-Climate Models, Chapter 4. SPARC Report (5). SPARC, Toronto, Canada, 109-148.

Devey, C. and **Petersen, S.**, 2010: Exchange of material and energy during the formation of new oceanic crust. In: The Research Vessel SONNE - Surveying the Oceans. RF Forschungsschiffahrt, Bremen, 48-51.

Devey, C. and **Petersen, S.**, 2010: Material- und Energieaustausch bei der Neubildung von

Lithosphäre im Ozean. In: Mit der SONNE die Erde erforschen. RF Forschungsschiffahrt, Bremen, 48-51.

Devey, C. W., German, C. R., Haase, K. M., **Lackschewitz, K.**, **Melchert, B.** and Connelly, D. P., 2010: The Relationships Between Volcanism, Tectonism, and Hydrothermal Activity on the Southern Equatorial Mid-Atlantic Ridge. In: Diversity of Hydrothermal Systems on Slow Spreading Ocean Ridges. Geophysical Monograph Series (188). American Geophysical Union, Washington DC, 133-152. ISBN 978-0-87390-478-8

Froese, R., 2010: Von der Ausbeutung einer lebenden Ressource – die Fischerei. In: World Ocean Review 2010. Maribus, Hamburg, 120-141. ISBN 978-3-86648-000-1

Hannington, M., Jamieson, J., Monecke, T. and **Petersen, S.**, 2010: Modern sea-floor massive sulfides and base metal resources: Toward an estimate of global sea-floor massive sulfide potential. In: The Challenge of Finding New Mineral Resources: Global Metallogeny, Innovative Exploration, and New Discoveries. Vol. 2: Zinc-Lead, Nickel-Copper-PGE, and Uranium. Special publication (15). Society of Economic Geologists, Littleton, Colorado, 317-338.

Henrich, R., Hanebuth, T. J. J., Cherubini, Y., **Krastel, S.**, Pierau, R. and Zühlsdorff, C., 2010: Climate induced turbidity current activity in NW-African canyon systems. In: Submarine Mass Movements and Their Consequences. Advances in Natural and Technological Hazards Research . Springer, Dordrecht, The Netherlands, 447-459. ISBN 978-90-481-3070-2

Hoernle, K., **Hauff, F.**, **Werner, R.** and Barckhausen, U., 2010: Bruchzonen: Ursprung für große Erdbeben und Archiv der Geschichte

des Ozeanbodens. In: Mit der SONNE die Erde erforschen. RF Forschungsschiffahrt, Bremen, 44-47.

Hoernle, K., Hauff, F., Werner, R. and Barckhausen, U., 2010: Fracture zones: large earthquakes, tsunamis and the evolution of the seafloor. In: The Research Vessel SONNE - Surveying the Oceans. RF Forschungsschiffahrt, Bremen, 44-47.

Körtzinger, A., 2010: Die Rolle des Meeres als größter CO₂-Speicher und -Senke. In: World Ocean Review 2010. Maribus, Hamburg, 28-35. ISBN 978-3-86648-000-1

Körtzinger, A., 2010: Sauerstoff im Ozean. In: World Ocean Review 2010. Maribus, Hamburg, 44-47. ISBN 978-3-86648-000-1

Körtzinger, A., 2010: The outer Amazon plume: An atmospheric CO₂ sink. In: Carbon and Nutrient Fluxes in Continental Margins: A Global Synthesis. Springer, New York, USA, 450-453.

Latif, M., 2010: Die Weltmeere, Motor des globalen Klimas. In: World Ocean Review 2010. Maribus, Hamburg, 1-27. ISBN 978-3-86648-000-1

Melzner, F., 2010: Folgen der Ozeanversauerung. In: World Ocean Review 2010. Maribus, Hamburg, 36-43. ISBN 978-3-86648-000-1

Naqvi, S. W. A., Naik, H., D'Souza, W., Narvekar, P. V., Paropkari, A. L. and **Bange, H.**, 2010: Carbon and nitrogen fluxes in the North Indian Ocean. In: Carbon and nutrient fluxes in continental margins: A global synthesis. Springer, New York, USA, 180-191.

Nauen, C., **Froese, R.** and Wosnitza-Mendo, C., 2010: Wer Fisch essen will, muss zum Einkaufen ein Lineal mitnehmen. In: Zur Nachahmung empfohlen. Hatje Cantz Verlag, Ostfildern, 231-235. ISBN 978-3-7757-2772-3

Petersen, S., 2010: Marine mineralische Rohstoffe. In: World Ocean Review 2010. Maribus, Hamburg, 146-151. ISBN 978-3-86648-000-1

Reusch, T. B. H. and **Matthiessen, B.**, 2010: Die Rolle der biologischen Vielfalt im Meer. In: World Ocean Review 2010. Maribus, Hamburg, 114-117. ISBN 978-3-86648-000-1

Schönfeld, J., Dullo, W. C. and **Flögel, S.**, 2010: Ölaustritte - Schädigung der Tiefsee. In: Die Ölkatastrophe im Golf von Mexiko - was bleibt? Exzellenzcluster „Ozean der Zukunft“, Christian-Albrechts-Universität, Kiel, 32-33.

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Suess, E., 2010: Marine cold seeps. In: Handbook of hydrocarbon and lipid microbiology. Springer, Berlin, 188-203. ISBN 978-3-540-77587-4

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Zinecker, H. and **Imhoff, J. F.**, 2010: Bioassays für die Wirkstoffsuche aus dem Meer: Biologische Testsysteme zur Charakterisierung neuer Wirkstoffe. *GIT Labor-Fachzeitschrift*, **54**.

5.6 University Publications

Bachelor thesis

Abel, Rafael, 2010: Zirkulation in der Zentralspalte des Mittelatlantischen Rückens bei 14.8° N: Einfluss von Gezeiten und niederfrequenter Variabilität auf die bodennahe Schichtung. Bachelor thesis, 37 pp

Booge, Dennis, 2010: Saisonalität der DMS-, DMSP- und DMSO-Konzentrationen an der Zeitserienstation Boknis Eck. Bachelor thesis, 48 + xvii pp.

Breusing, Corinna, 2010: Temperature-body size relationships in marine benthic diatoms as a function of irradiance and dispersal. Bachelor thesis, 38 pp.

Busecke, Julius, 2010: Der Oberflächenast der thermohalinen Zirkulation bei 26°N - Analyse von globalen Ozeanmodellen. Bachelor thesis, 42 pp.

Dunker, Mirja Kristin, 2010: Löslichkeit von Phosphor aus Aerosolen – Bestimmung von organischem (DOP) und anorganischem (DIP) Phosphor im nanomolaren Konzentrationsbereich. Bachelor thesis, 92 pp.

Freund, Madeleine, 2010: Antarktisches Meer eis: Vergleichende Betrachtung von Modell- und Satellitendaten und daraus erkennbare Entwicklungen. Bachelor thesis, 42 pp.

Hettesheimer, Hanna, 2010: Seasonal variation of the antifouling activity in the brown alga *Fucus vesiculosus* on the settlement of the barnacle *Amphibalanus improvisus*: a field study in the Western Baltic. Bachelor thesis, 40 pp.

Kinzel, Julian, 2010: Die Bedeutung der Ozean-Atmosphäre-Wechselwirkung für die natürliche Klimavariabilität in der Arktis. Bachelor thesis, 40 pp.

Kretschmer, Kerstin, 2010: Temperaturentwicklungen in der Beaufort See: Implikationen für Methanemissionen aus dem Meeresboden. Bachelor thesis, 36 pp.

Laeger, Kathrin, 2010: Kristallisationsbedingungen von Daziten der 800 BP Eruption des Vulkan Cerro Machín, Kolumbien. (Bachelor), Christian-Albrechts-Universität zu Kiel, 51 pp.

Lauffer, Katja, 2010: The role of biofilms associated with the surface of the brown alga *Fucus vesiculosus*. Bachelor thesis, 40 pp.

Lopes, Ana Lucia Semiao, 2010: Does future ocean acidification affect respiration rates and development of *Amphibalanus* larvae. Bachelor thesis, 25 pp.

Mengis, Nadine, 2010: Korrelationen zwischen Änderungen des Windstresses, des Meeresspiegels und der Dichteschichtung im atlantischen Sektor des Südlichen Ozeans im Bezug auf den Jahresgang und auf zwischenjährliche Zeitskalen. Bachelor thesis, 31 pp

Mertzen, Matthias, 2010: Do the defenses of *Fucus vesiculosus* and *Fucus serratus* against settlement of *Amphibalanus improvisus* vary seasonally?. Bachelor thesis, 33 pp.

Müller, Katharina, 2010: Struktur und Variabilität des westlichen Randstromsystems im Subtropischen Nordatlantik: Analyse eines globalen Ozeanmodells (ORCA025). Bachelor thesis, 28 pp.

Schaffer, Janine, 2010: Die Arktische Oszillation im Kieler Klimamodell. Bachelor thesis, 28 pp.

Petrowski, Sina, 2010: Jahreszeitliche Variation der Konsumption von *Fucus vesiculosus* durch *Idotea baltica*. Bachelor thesis, 29 pp.

Rüger, Theresa, 2010: Temperature effects on the cell size of marine phytoplankton. Bachelor thesis, 35 pp.

Schaffer, Janine, 2010: Die Arktische Oszillation im Kieler Klimamodell. Bachelor thesis, 34 pp.

Schattel, Nadine, 2010: Bubbles in pumice: 3-D imaging of the bubble geometry by computer tomography and their correlation with physico-chemical parameters of the pumice. Bachelor thesis, 32 pp.

Scheef, Helga, 2010: Der Einfluss von sehr starken Vulkaneruptionen auf die Nordatlantische und Arktische Oszillation im MAECHAM5 Modell. Bachelor thesis, 50 pp.

Schütte, Florian, 2010: Intrasaisonale Variabilität im zentralen tropischen Atlantik - Analyse von Satelliten- und Verankerungsdaten. Bachelor thesis, 33 pp

Thomsen, Sören, 2010: Variabilität von Vermischungsprozessen und diapyknischen Wärme-flüssen im äquatorialen Atlantik bei 23° West. Bachelor thesis, 37 pp.

Zander, Stefanie, 2010: Die Auswirkung von Vulkaneruptionen auf die atmosphärische Zirkulation in Abhängigkeit von der Ausbruchstärke. Bachelor thesis, 54 pp.

Master thesis

Bancala, Severin, 2010: Analysing Major Sudden Stratospheric Warmings. Master thesis, 86 pp.

Banyte, Donata, 2010: Hydrography in the Northern Tropical Atlantic at 1026.8 - 1027.3 kg/m³ 2,1 25 Density Range During 1950 - 2009. Master thesis, 27 pp.

Bermúdez M., J. Rafael, 2010: Diatoms and its influence on copepods as a food source under high pCO₂ levels. Master thesis, 64 pp.

Eggers, Lena, 2010: A simulated heatwave and dispersal enhance dominance and decrease community productivity in experimental metacommunities. Master thesis, 59 pp.

Moor, Helen, 2010: Heat wave triggers shift to alternative stable state in experimental periphyton metacommunities. Master thesis, 66 pp.

Riha, Stefan, 2010: An Estimate of the Isopycnal Diffusion Tensor Based on Particle Statistics. Master thesis, 38 pp.

Sett, Scarlett, 2010: The combined effect of global warming and ocean acidification on the

Appendices

coccolithophore *Geophyrocapsa oceanica* - carbon production and physiology. Master thesis, 50 pp.

Werner, Franziska, 2010: Direct and indirect effects of temperature on diversity of a marine periphyton community. Master thesis, 53 pp.

Diploma thesis

Bayr, Tobias, 2010: Die Veränderungen des Luftdrucks im IPCC A1B Szenario: Mittlerer Zustand und Muster der Variabilität. Diploma thesis, 113 pp.

Becker, Meike, 2010: CRDS Based field Measurements of Surface Water pCO₂ and δ¹³C(CO₂). Diploma thesis, 87 pp.

Beese, Pascal, 2010: Isolation and Characterisation of Secondary Metabolites from Actinobacteria. Diploma thesis, 94 pp.

Beesk, Henrike, 2010: Tracking nutrient loading from aquacultures by stable isotope measurements. Diploma thesis, 59 pp.

Boysen, Krista, 2010: Combined effect of increasing carbon dioxide and varying nutrient concentrations on the coccolithophore *Emiliania huxleyi*. Diploma thesis, 58 pp.

Bremer, Lars, 2010: Investigations on microbial silicate weathering in marine sediments. Diploma thesis, 116 pp.

Brundiers, Katharina, 2010: Resolving the food web structure in *Zostera marina* seagrass bed using stable isotope analysis. Diploma thesis, 78 pp.

Cesko, Thomas, 2010: Klimaeinfluss lang-periodischer Schwankungen der Solarkonstante im Kiel Climate Model. Diploma thesis, 105 pp.

Didwischus, Sven-Helge, 2010: Analyse der Strukturen atlantischer äquatorialer Deep Jets anhand von Verankerungs- und Drifterdaten. Diploma thesis, 50 pp.

Fehsenfeld, Sandra, 2010: Effects of elevated pCO₂ on gene expression patterns and ion regulation processes in the Green crab *Carcinus maenas*. Diploma thesis, 71 pp.

lation processes in the Green crab *Carcinus maenas*. Diploma thesis, 71 pp.

Freese, Marko, 2010: The application of biotechnologically produced nematodes as live feed organisms for early life stages of shrimps and prawns. Diploma thesis, 78 pp.

Geib, Anika, 2010: Transportprozesse in der Tropischen Tropopausenschicht im Nordhemisphärischen Winter mit ERA-Interim Assimilationsdaten. Diploma thesis, 45 pp.

Glogowski, Silke, 2010: Rekonstruktion der spätquartären Paläo-Bodenströmungen im zentralen Arktischen Ozean anhand von Sedimentkernen vom Lomonosov-Rücken/Arktis. Diploma thesis, 97 pp.

Gruchattka, Evamaria, 2010: Verfahren zur Stimulation der Sekundärmetabolitproduktion mariner Actinomyceten. Diploma thesis, 89 pp.

Heidemann, Franziska, 2010: Mikrochemische Zusammensetzung von Dorschotholithen (*Gadus morhua*) verschiedener Laichgebiete. Diploma thesis, 137 pp.

Makarow, Dorothee, 2010: Functional investigations of microbial communities in sediments of marine mud volcanoes. Diploma thesis, 97 pp.

Paulsen, Matthias, 2010: Einfluss von Fettsäuren auf die Kondition von Heringslarven. Diploma thesis, 115 pp.

Pohlmann, Jan-Dag, 2010: Environmental effects of the condition and summer-growth of juvenile sprat (*Sprattus sprattus*) in western Baltic shallow water habitats. Diploma thesis, 83 pp.

Putze, Gregor, 2010: Impact of cortisol on stress physiology of turbot *Psetta maxima* in marine recirculation aquaculture systems. Diploma thesis, IV, 73 pp.

Renkosik, Niko, 2010: Energiebilanz arktischer Bewölkung aus Modell und Beobachtung. Diploma thesis, 105 pp.

Rickert, Tilman, 2010: Eiszeiten in einem einfachen Klimamodell. Diploma thesis, 99 pp.

Riha, Stefan, 2010: An Estimate of the Isopycnal Diffusion Tensor Based on Particle Statistics. Master thesis, 38 pp.

Rix, Kay Christina, 2010: Vorkommen, Kultivierung und Sekundärmetabolite ausgewählter Bakterien aus der Assoziation zur Braunalge *Saccharina latissima*. Diploma thesis, 89 pp.

Roth, Christina, 2010: TENATSO: Decomposing of the upper ocean current time series. Diploma thesis, 59 pp.

Rzepka, Paul, 2010: Quantifizierung und Charakterisierung von Phytoplankton mit der Flow-CAM-Methode im Vergleich zur Mikroskopie. Diploma thesis, 71 pp.

Schröder, Toni, 2010: Die Bedeutung der numerischen Auflösung für die Simulation des Agulhas-regimes. Diploma thesis, 81 pp.

Schubert, Alexander S., 2010: The Impact of ocean acidification on calcification of mediterranean cold-water corals. Diploma thesis, 62 pp.

Schumann, Kai, 2010: Geochemical investigation of the three volcanoes Casablanca, Osorno, and Cabeza de Vaca, Southern Volcanic Zone, Chile. Diploma thesis, 122 pp.

Schörner, Dirk, 2010: Bathymetrische Kartierung in der Magellanischen Fjordzone (Chile, Patagonien). Diploma thesis, 117 pp.

Stiller, Kevin, 2010: Parametrisierung eines Respirationssystems zur Erfassung von Stoffwechselsituationen bei Fischen. Diploma thesis, 121 pp.

Tessendorf, Alrun, 2010: Strahlungsbilanz arktischer Bewölkung aus Modell und Beobachtung. Diploma thesis, 79 pp.

Treydte, Sandra, 2010: Impact of ocean acidification and warming on the energy metabolism of the Greenland smoothcockle *Serripes groenlandicus*. Diploma thesis, 76 pp.

Vogel, Torsten, 2010: Wie beeinflusst die Exposition den Fraßdruck von *Idotea* auf Makroalgen?. Diploma thesis, 82 pp.

Voigt, Janett, 2010: Determination of the critical aragonite saturation state under which skeleton structures of the cold-water coral *Lophelia pertusa* begin to dissolve. Diploma thesis, Universität Rostock, Rostock, Germany, 91 pp.

Wache, Sebastian, 2010: Transport von Spurengasen in der marinen Grenzschicht im tropischen Westpazifik während der TransBrom-Sonne Kampagne. Diploma thesis, 100 pp.

Weber, Hannah Sophia, 2010: Microbial turnover rates and biogeochemical processes in coastal sediments of the Baltic Sea. Diploma thesis, 93 pp.

Wolff, Marie, 2010: Influence of calcification on the photosynthetic light reactions in the coccolithophore *Emiliania huxleyi*. Diploma thesis, 91 pp.

Zablotski, Yury, 2010: Candidate species for aquaculture. Diploma thesis, 120 pp.

Zocher, Johanna, 2010: Simulation of a Tracer Release Experiment on the continental shelf off Peru. Diploma thesis, 37 pp.

Doctoral thesis/PhD

Bluhm, Katrin, 2010: The influence of marine phytoplankton on iodine speciation in the Tropical and Southern Atlantic Ocean. Doctoral thesis/PhD, 117 pp.

Ding, Hui, 2010: Annual to Interannual Equatorial Atlantic Variability: Mechanisms and Tropical Impacts. Doctoral thesis/PhD, 92 pp.

Frauen, Claudia, 2010: ENSO mechanisms and interactions in a hybrid coupled recharge oscillator model. Doctoral thesis/PhD, 135 pp.

Gleßmer, Mirjam, 2010: A model-based investigation of transport pathways of thermocline waters to the ocean surface, with a focus on tropical oxygen minimum zones. Doctoral thesis/PhD, 157 pp.

Heller, Maija, 2010: Superoxide reactions in

seawater: Evaluating the impact of superoxide on trace metal redox cycles and dust dissolution in the open ocean. Doctoral thesis/PhD, 248 pp.

Heydolph, Ken, 2010: Spatial variations in the geochemistry of arc volcanism in Central America. Doctoral thesis/PhD, 153 pp.

Karas, Cyrus, 2010: Mid-Pliocene restriction of the Indonesian Gateway and its implication on ocean circulation and climate. Doctoral thesis/PhD, 96 pp.

Kihm, Christoph, 2010: Oxygen measurement in the Labrador Sea: Profiling oxygen floats as a new observation method. Doctoral thesis/PhD, 106 pp.

Lachnit, Tim, 2010: Epibacterial Colonization of Marine Macroalgae: From Communities to Compounds. Doctoral thesis/PhD, 134 pp.

Lübbecke, Joke, 2010: Interannual Variability in the Southeastern Tropical Atlantic Ocean: Benguela Niños, Equatorial Atlantic Niños and Interaction with ENSO. Doctoral thesis/PhD, 110 pp.

Mohr, Wiebke, 2010: Dinitrogen fixation in the unicellular diazotroph *Crocospaera watsonii*. Doctoral thesis/PhD, 122 pp.

Schafstall, Jens, 2010: Turbulente Vermischungsprozesse und Zirkulation im Auftriebsgebiet vor Nordwestafrika. Doctoral thesis/PhD, 205 pp.

Scholz, Florian, 2010: Pore Water Expulsion at Submarine Cold Seeps: Geochemical Evidence for Short-Cuts between Crust, Sediments and Ocean. Doctoral thesis/PhD, 118 pp.

Schoo, Katherina, 2010: Stoichiometric constraints in primary producers affect secondary consumers. Doctoral thesis/PhD, 113 pp.

Steinhoff, Tobias, 2010: Carbon and nutrient fluxes in the North Atlantic Ocean. Doctoral thesis/PhD, 162 pp.

Suffrian, Kerstin, 2010: Ion transport and pH homeostasis in coccolithophores. Doctoral thesis/PhD, 105 pp.

Tank, Marcus, 2010: Ecological and phylogenetic studies on purple sulfur bacteria based on their *pufLM* genes of the photosynthetic reaction center. Doctoral thesis/PhD, 116 pp.

Weinzierl, Wolfgang, 2010: Crustal structure of the central Lesser Antilles island arc: seismic near-vertical and wide-angle profiling. Doctoral thesis/PhD, 79 pp.

Zhu, Junjiang, 2010: Crustal structure and subduction erosion in the central Costa Rica subduction zone. Doctoral thesis/PhD, 129 pp.

Extern:

Breuer, Christian, 2010: The role of magmatic volatiles in the formation of sulfates and sulfides in the off-shore area of Panarea, Aeolian Island-arc, Italy. Master thesis, Westfälische Wilhelms-Universität, Münster, 86 pp.

Kulfan, Christina Margaret, 2010: Tobago coral record as a high-resolution archive of Amazon and Orinoco River outflow and tropical climate variability. Master thesis, Universität Bremen, 111 pp.

Ngwa, Caroline, 2010: Phreatomagmatic activity at Debundscha maar (Mt. Cammeroon volcano): tephra sequence, melt inclusions and bulk rock petrochemistry. Doctoral thesis/PhD, University of Buea, Cameroon, 129 pp.

Radtke, Sabrina, 2010: Optimierung der Messung der Hydrazin-Konzentration (N_2H_4) in Seewasser mittels Gaschromatographie. Diploma thesis, Fachhochschule Lübeck, 78 pp.

Seguin, Francois, 2010: Zooplankton community near the island of Sao Vicente in the Cape Verde archipelago: insight on pelagic copepod respiration. Master thesis, Universität Bremen, 72 pp.

Taucher, Jan, 2010: The Impact of Climate Change on Marine Ecosystems and Biogeochemical Cycling in a Global Climate Model. Diploma thesis, Ludwig-Maximilians-Universität, München.

6. Scientific & Public Presentations

6.1 Invited Presentations (84)

Bauch, H.A., 2010: Arctic Change: Interpreting Environmental Archives from the Eurasian Periphery. Old Dominion University, Department of Ocean, Earth, & Atmospheric Sciences, Norfolk, VA, USA, 28.01.2010.

Bauch, H.A., 2010: Climate of the last interglacial: the Arctic controversy. Seminar on "Late Quaternary and Recent Oceanography of the NE and NW Atlantic Ocean", Vrije University Amsterdam, The Netherlands, 11.05.2010.

Bialas, J., 2010: Gas Hydrates II - Resources / Reserves & Economic Aspects. 1st Brazilian Symposium on Non-Conventional Energy Generation from Coal and Gas Hydrates, CEPAC, Porto Alegre, Brazil, 28.-30.07.2010.

Bialas, J., 2010: State of the art instrumentation for gas hydrate and CCS exploration. Workshop on Gas Hydrates as an Energy Resource for the Canadian East Coast, St. Johns, Canada, 22.-23.03.2010.

Biaostoch, A., 2010: Agulhas Leakage: The Neglected Player in the Variability of the Atlantic Meridional Overturning Circulation. Ocean Sciences Meeting 2010 „Oxygen Minimum Zones and Climate Change: Observations and Prediction IV", Portland, OR, USA, 24.02.2010.

Böning, C.W., 2010: Regional variations in decadal sea level change. 3. Bi-Annuales Kieler Symposium "Future Ocean", CAU, Kiel, 14.09.2010.

Böning, C.W., 2010: Exploring mechanisms of decadal variability with CORE-II forced global ocean-ice models. CLIVAR/GSOP Workshop on Decadal Variability, Predictability and Prediction, NCAR, Boulder, CO, USA, 20.09.2010.

Dengg, J., 2010: Ocean Sciences ... crossing borders. European Science Open Forum, Torino,

Italy, 04.07.2010.

Dengg, J., 2010: The role of climate change research in school education: Providing background and context. Strengthening climate change education for sustainable development in formal and informal education, Hanoi, Vietnam, 14.10.2010.

Dengg, J., 2010: Experiences in Carbo Schools. Strengthening climate change education for sustainable development in formal and informal education, Hanoi, Vietnam, 15.10.2010.

Dengg, J., 2010: NaT-Working Meeresforschung - Schülerprojekte in der Meereswissenschaft. Bundeselternratstagung der Waldorfschulen, Kiel, 28.02.2010.

Dengg, J., 2010: Vernetzung zwischen Schule und Wissenschaft am Beispiel NaT-Working „Meeresforschung". Landesfachtagung Mathematik und SINUS Herbsttagung, Plön, 27.11.2010.

Dengler, M., 2010: Expanding oxygen minimum zones. Marine Science Seminar, Red Sea Research Center, King Abdullah University of Science and Technology, Thuwal, Saudi Arabia, 24.05.2010.

Dengler, M., 2010: Ocean Mixing: an un(re)solved mystery. 'The big Questions' Lecture Series, Integrated School of Ocean Sciences, Leibniz Institute of Marine Sciences, Kiel, 15.07.2010.

Dengler, M., 2010: On the dichotomy of equatorial mixing: Observations, fluxes and parameterization. Physical Oceanography Seminar, Leibniz-Institut für Ostseeforschung, Warnemünde, 21.10.2010.

Dengler, M., 2010: The impact of the Atlantic's deep equatorial circulation on tropical climate variability and ventilation of the oxygen minimum zones. Marine Science Seminar, Red Sea Research Center, King Abdullah University of Science and

Technology, Thuwal, Saudi Arabia, 23.11.2010.

Dengler, M., Visbeck, M., Tanhua, T., Fischer, T., Banyte, D., Hummels, R. and Wallace, D. W. R., 2010: Diapycnal mixing in the tropics: Results from the Guinea Dome Tracer Release Experiment. Below the Rossby Radius: Workshop on small-scale variability in the general circulation of the atmosphere and oceans, Tremsbüttel, 17.09.2010.

Dierking, J., 2010: Conservation genetics of the North Sea houting (CORus oxyrinchus) in Germany: Whitefish can't jump. Technical University of Denmark National Institute of Aquatic Resources (DTU Aqua), Population genetic group, Silkeborg, Denmark, 08.06.2010.

Fehsenfeld, S., Kiko, R., Towle, D. W., Zimmer, M. and Melzner, F., 2010: Carcinus maenas under pH-Stress: Genexpressionsanalyse in der Kieme. Förderverein IFM-GEOMAR, Kiel, 15.02.2010.

Fehsenfeld, S., Kiko, R., Towle, D. W., Zimmer, M. and Melzner, F., 2010: Effects of elevated seawater pCO₂ on gene expression patterns and ion regulation processes in the Green crab Carcinus maenas. Alfred-Wegener-Institute (AWI) Wattenmeerstation Sylt, Sylt, 07.07.2010.

Fehsenfeld, S., Kiko, R., Towle, D. W., Zimmer, M. and Melzner, F., 2010: Effects of elevated seawater pCO₂ on gene expression patterns and ion regulation processes in the Green crab Carcinus maenas. DZG annual meeting, Hamburg, 17.-19.09.2010.

Finke, A., Düpow, H., Schmidt, B. and Frost, J., 2010: Open Access - an introduction. Open Access Publishing - How & Why? - An Information and Discussion Seminar for Scientists, Integrated School of Ocean Sciences, Kiel, 19.05.2010.

Frank, M., 2010: Reconstructing past ocean circulation with radiogenic and radioactive

isotopes. Seminarvortrag am Department Climate and Environmental Physics, Universität Bern, Bern, Switzerland, 15.11.2010.

Frank, M., 2010: Tracing Past Ocean Circulation and Continental Weathering with Radiogenic Isotopes. Seminar des Instituts für Geowissenschaften der Universität Frankfurt, Frankfurt am Main, 26.05.2010.

Froese, R., 2010: FishBase: Offene Daten zur Meeres-Biodiversität. 2. Leipzig Semantic Web Day, Leipzig, 06.05.2010.

Froese, R., 2010: Fmsy is good, 0.9 Fmsy is better, 0.9 MSY is best. World Wide Fund For Nature (WWF), Brussels, Belgium, 22.06.2010.

Froese, R., 2010: Gegenwärtige und zukünftige Fischerei in Bezug zur MSRL. 20. BSH Meeresumwelt-Symposium 2010, Hamburg, 01.-02.06.2010.

Froese, R., 2010: Mapping Life on Earth: Recent Progress with AquaMaps. TELDAP Conference, Taipei, Taiwan, 02.03.2010.

Froese, R., 2010: New Harvest Control Rules for European Fisheries. Meeting with Fisheries Permanent Representatives, Brussels, Belgium, 30.09.2010.

Froese, R., 2010: Rebuilding Europe's Fish Stocks. European Parliament, Brussels, Belgium, 22.06.2010.

Froese, R., 2010: Towards healthy stocks and healthy profits in European fisheries. 36. Forum Bestandserhaltende Fischerei, Hamburg, 24.11.2010.

Froese, R., 2010: Trends in Global Fisheries: Likely Causes and Possible Solutions. WTO Forum, Geneva, Switzerland, 17.09.2010.

Göthlich, L., 2010: Modelling phytoplankton coexistence. IFISC (Institute of Cross-Disciplinary Physics and Complex Systems), Palma de Mallorca, Spain, 16.09.2010.

Hoernle, K., 2010: Past and Potential Future Collaboration between MARGINS and the

Collaborative Research Center SFB574 and other European Research Programs. MARGINS Successor Planning Meeting, San Antonio, TX, USA, 15.-17.02.2010.

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Verständnis geologischer Prozesse. Symposium „Hydrographische Vermessungen“ - TFH Georg Agricola, Bochum, 29.04.2010.

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Winder, M., 2010: Climate forcing at the base of the aquatic food web: small causes big effects. University of Hamburg, Hamburg, 12.11.2010.

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Augustin, N., Liebetrau, V., Eisenhauer, A. and **Kutterolf, S.**, 2010: Authigenic Carbonates as Archives for Fluid Venting: Insights from drill cores off-shore Costa Rica & Nicaragua. SFB 574 Subduction Workshop, Pucon, Chile, 04.-07.11.2010.

Bach, L., 2010: Separating the effects of ocean acidification from ocean carbonation in the coccolithophore *Emiliana huxleyi*. EPOCA, BIOACID, UKOARP annual meeting, Bremerhaven, 27.-30.09.2010.

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Becel, A., Laigle, M., Diaz, J., Hirn, A., **Flueh, E. R.** and Charvis, P., 2010: Searching for conditions of observation of subduction seismogenic zone transients on Ocean Bottom Seismometers deployed at the Lesser Antilles submerged forearc. EGU General Assembly, Vienna, Austria, 02.-07.05.2010.

Behrmann, J. H. and **Meissl, S.**, 2010: Superfast sedimentation and submarine slides, Gulf of Mexico continental slope: insights into transport processes from fabrics and geotechnical data. IODP/ICDP-Schwerpunktkolloquium, Frankfurt, 09.-11.03.2010.

Bialas, J., Klaeschen, D., Papenberg, C., Gehrman, R. and Sommer, M., 2010: 3-D Seismic Images of Mud Volcano North Alex, West-Nile Delta, Egypt. EGU General Assembly 2010, Vienna, Austria, 02.-07.05.2010.

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Appendices

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6.4 Public Lectures (27)

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Körtzinger, A., 2010: Der Ozean im globalen Klimawandel - eine Betrachtung aus biogeochemischer Perspektive. Schleswig-Holsteinische Universitäts-Gesellschaft, Bad Oldesloe, 26.10.2010.

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Latif, M., 2010: Hat Klima- und Umweltschutz etwas mit Menschenrechten zu tun?. Schulveranstaltung zum Tag der Menschenrechte, Ida-Ehre-Gesamtschule, Hamburg, 09.12.2010.

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Latif, M., 2010: Mensch-Klima-Meer: Wie die Ozeane unsere Zukunft bestimmen. Sonderausstellung Der Ozean der Zukunft, Deutsches Museum, München, 24.03.2010.

Latif, M., 2010: Klimawandel – es betrifft uns alle. Seminar für Polizei und Zollbedienstete, Butjadingen, 12.10.2010.

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6.5 Radio & TV Interviews

Berndt, C.: Der schlummernde Rohstoffriese, SWR, cont.ra., 10.08.2010

Bockelmann, A.: Beitrag zur Gesundheit und Parasitenbelastung von Konik Wildpferden in Naturschutzgebieten NDR1: Naturnah: 12.01.2010.

Büdenbender, J.: ocean acidification effects on polar pteropods, Greenpeace, youtube.com, 29.05.2010.

Büdenbender, J.: ocean acidification effects on polar pteropods, Deutschlandradio, 01.06.2010.

Devey, C.: Studiogast „Planet Wissen“, WDR, 20.01.2010.

Froese, R.: Census of Marine Life NDR Info, Logo: 03.01.2010.

Hansteen, T.H.: 3D-Bilder von Tiefseevulkanen bei den Kapverden, erhoben mit dem ROV Kiel 6000, Schleswig-Holstein Magazin, NDR Fernsehen, 03.03.2010.

Hansteen, T.H.: Andreas Bohrmann im Gespräch mit Dr. Thor Hansteen, Der Talk (Live), NDR Info Hörfunk, 25.04.2010.

Hansteen, T.H.: Explosiver Tiefsee-Vulkanismus bei den Kapverden, Guten Abend, RTL Regional Fernsehen, 03.03.2010.

Hansteen, T.H.: Vulkan Eyjafjallajökull, Volle Kanne (Live), ZDF Fernsehen, 21.04.2010.

Javidpour, J., Reusch, T. B. H. und Günther, M.: Invasion der Quallen: Wie kommt Mnemiopsis leidyi in die Ostsee? Deutschlandfunk: Forschung aktuell.

Kanzow, T.: Das Wissensmagazin am Freitag, Bayerischer Rundfunk, Bayern 2, 03.12.2010.

Kanzow, T.: Gleiter, Ut Binnenland und Waterkant, NDR1, 14.01.2010.

Klagge, T., and Wittbrodt, K.: TRANSDRIFT XVII, Von Binnenland und Waterkant, NDR 1, 11.10.2010.

Krahmann, G.: Glider, Offener Kanal Kiel,

29.01.2010.

Krastel-Gudegast, S.: Eine Lawine von den Alpen bis Kiel, Deutschlandfunk, Forschung Aktuell, 29.03.2010.

Krastel-Gudegast, S.: Gerölllawinen an Kontinentalhängen, Die Profis, RadioEins, RBB, 04.04.2010.

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Latif, M.: Arktis-Forscher, DAS (Studiogast auf dem roten Sofa), N3, 29.06.2010.

Latif, M.: Brände in Russland, die Starkregenfälle und Überschwemmungen im Dreiländereck, schwere Monsunregenfälle in Asien usw. Sind das bereits Vorboten der Klimaveränderung? Brisant am Vormittag, ARD-Magazin, 10.08.2010.

Latif, M.: Extremwetterlagen -wie geht es weiter, NDR Info, 04.03.2010.

Latif, M.: Fakten und Mythen Klimawandel, Frühcafé (Live-Talk), Hamburg 1 (TV), 10.02.2010.

Latif, M.: Feuer und Flut – Sind die Naturkatastrophen Vorboten des Klimawandels? REDEZEIT, NDR Info, 11.08.2010.

Latif, M.: Hitzewelle, Ölpest – Rächt sich die Natur an uns? Maybrit Illner, ZDF, 22.07.2010.

Latif, M.: hr2-kultur „Doppel-Kopf“. Hessischer Rundfunk, 17.03.2010.

Latif, M.: Klima in Gefahr, Volle Kanne Service täglich, ZDF, 01.09.2010.

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Latif, M.: Mensch vs Natur – Ölpest, Überschwemmung, Klimawandel, TV-Studiogast Aktuelles, Gespräche, Reportagen, Phoenix, 25.08.2010.

Latif, M.: „Warum der Eisbär einen Kühlschrank braucht“, Von Binnenland und Waterkant“, NDR1 Welle Nord, 08.03.2010.

Latif, M.: Sommerfrust: Klimawandel nur ein Märchen? Studiogast bei Menschen und Schlagzeilen: „Was den Norden bewegt“, N3, 09.06.2010.

Latif, M.: Stürmische Tage, Morgen-Magazin, ARD, 28.10.2010.

Latif, M.: Tanz auf dem Vulkan: Risikofaktor Natur? Talk-Gast bei Leo Busch, NTV, 22.04.2010.

Latif, M.: Vulkane und Klima, Schleswig-Holstein Magazin, NDR1, 20.04.2010.

Latif, M.: Vulkane und Klima, zu Gast bei Beckmann, ARD, 19.04.2010.

Lenz, M.: Neue Studie zur Ölkatastrophe - Folgen für Europa SR2 Kulturradio: 10.6.2010.

Lenz, M.: Neue Studie zur Ölkatastrophe – Folgen für Europa SR2 Kulturradio, 10.06.2010.

Lenz, M.: Warum rauschen Muscheln wenn man sie ans Ohr hält? N-Joy Radio: 13.7.2010.

Oschlies, A.: CO₂ Reduzierung durch künstlichen Auftrieb im Ozean? Meeresforscher halten Verfahren für ungeeignet, Deutschlandfunk, 16.02.2010.

Oschlies, A.: Künstliche Venen für das Meer. Forscher untersuchen den Nutzen eines Geoengineering-Projekts, Forschung aktuell, Deutschlandradio, 02.03.2010.

Oschlies, A.: Rettung aus dem Meer, Wissen - Natur, Deutschlandradio, 03.03.2010.

Oschlies, A.: Welche Bedeutung hat das Meer für die Menschen? HR2, 20.05.2010.

Oschlies, A.: Wohin mit Kohlendioxid? Wie die CO₂-Menge reduziert werden kann. Wissenschaft und Forschung, Bayerischer Rundfunk. 12.10.2010.

Petersen, S.: Im Rausch der Tiefe: Die Weltmeere als Rohstofflieferant, Radiofeuilleton – Im Gespräch, Deutschlandradio, 29.05.2010.

Siedler, G.: Deutschlandradio Wissen – Hör-

saal, Umwelt, Verschmutzung der Meere, Teil 3 „Energiehaushalt des Meeres“ Deutschlandradio, 29.04.10.

Sommer, U.: Blaualgen in der Ostsee Radio Nora, Morgenshow: 02.08.2010.

Sommer, U.: Blaualgen in der Ostsee WDR 2: Morgenmagazin: 23.07.2010.

Sommer, U.: Blaualgen SAT 1: 22.07. 2010.

Sommer, U. und Kunze, M.: Algenblüte in der Ostsee WDR 5: Leonardo, Wissenschaft und Mehr: 22.07.2010.

Soria-Dengg, S.v: Junge Forscher untersuchen Ostseemuscheln, Schleswig-Holstein Magazin, NDR Fernsehen, 13.03.2010.

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Visbeck, M.: Berechenbarer Klimawandel. Experten - Die überforderten Welterklärer, WDR5, 03.10.2010.

Visbeck, M.: Der Golfstrom - Europa vor einer neuen Eiszeit? Planet Wissen, WDR Fernsehen, 15.12.2010.

Visbeck, M.: Die Lange Nacht der Ozeane: Wie viel Meer braucht der Mensch? ZDF, 21.10.2010.

Visbeck, M.: Die Ölpest im Golf von Mexiko. Morning Show, Radio Hamburg, 10.06.2010.

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Visbeck, M.: Schmierige Katastrophe – die größte Ölpest aller Zeiten. Bärbel Schäfer live, hr3, 20.06.2010.

Visbeck, M.: Wo ist das Öl nach der Katastrophe im Golf von Mexiko? Brisant, ARD, 23.09.2010.

Wallmann, K.: CO₂-Speicherung im Meeresboden, Interview SHZ/Müller, 22.11.2010.

Wallmann, K.: Gashydrate, Interview mit WDR Radio, 23 April 2010.

Wallmann, K.: Gashydrate. Interview mit Nils Boening, Technology Review, 27.04.2010.

Wallmann, K.: Interview zu Gashydraten, ZDF, 01.07.2010.

Werner, R., Bogaard, Pvd.: Expedition M81/2AB und Altersbestimmung an Hartgesteinen, Regionalnachrichten, Sat 1 Fernsehen, 08.03.2010.

Winder, M.: Einfluss von Klima auf Ozeane Heute in Europa, ZDF, 14.10.2010.

Winder, M.: Plankton-Studie RTL Nachtjournal: 29.07.2010.

7. Scientific Exchange & Cooperation

7.1 Visitors at IFM-GEOMAR

Abramova, E.: Lena Delta Nature Reserve, Tiksi, Sakha Republic, Russia, 01.-28.04.2010.

Alexeeva, T.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 01.-30.04.2010.

Andreson, Reidar: Institutt for Biologi, Universitetet i Bergen, Bergen, Norway, 01.11.-31.12.2010.

Azevedo, L.: Universidade de Aveiro, Aveiro, Portugal, 05.-17.03.2010.

Baranov, B.: P. P. Shirshov Institute of Oceanology RAS, Moscow, Russia, 01.03.-02.04.2010, 18.10.-19.11.2010.

Bloshkina, E.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 01.-26.12.2010.

Cao, Z.: Xiamen University, China, 28.-30.03.2011.

Contreras Reyes, E.: Departamento de Geofísica, Universidad de Chile, Santiago, Chile, 07.06.-10.07.2010.

Demir, N.: Kocaeli University, Istanbul, Turkey, 10.-21.05.2010.

Derkachev, A.: Pacific Oceanological Institute, Vladivostok, Russia, 05.03.-02.04.2010, 03.-24.12.2010.

Dorador, C.: Universidad de Antofagasta, Antofagasta, Chile, 09.-31.07.2010.

Erez, J.: Hebrew University, Israel, 27.06.-13.07.2010.

Feng, M.: CSIRO, Australia, 23.11.-22.12.2010.

Gallais, F.: Université de Bretagne Occidentale, Brest, France, 30.08.-17.09.2010.

Gangai, B.: Institute for Marine and Coastal Research Dubrovnik, Croatia, 01.-10.12.2010.

German, C.: Woods Hole Oceanographic Institution, Woods Hole, USA, 12.06.-17.07.2010.

Goecke, F.: Universität Concepción, Chile. Deutscher Akademischer Austausch Dienst (DAAD) – Becas Chile (Conicyt), PhD Program Stipendium, 06.2008-05.2011.

Gorbarenko, S.: Pacific Oceanological Institute, Vladivostok, Russia, 05.-31.03.2010, 03.-24.12.2010.

Guinder, V.: Instituto Argentino de Oceanografía, Universidad Nacional del Sur, Bahía Blanca, Argentina, 08.06.-08.09.2010.

Gulev, S.: P. Shirshov Institute of Oceanology, RAS, Moscow, Russia, 06.09.-25.11.2010.

Hekinian, R.: Keryunan, Saint Renan, France, 03.-30.05.2010.

Ivanov, V.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 04.-16.04.2010, 18.-30.12.2010.

Kirillov, S.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 01.-30.04.2010, 01.-31.12.2010.

Klavsén, S.: Aarhus Universitet, Denmark, 01.01.-31.12.2010.

Krasheninnikov, S.: Moscow State University, Moscow, Russia, 15.-28.02.2010.

Krasnova, E.: V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry RAS, Moscow, Russia, 10.07.-06.08.2010, 04.-18.10.2010.

Lan, Y.-Y.: National Chung-Hsing University, Department of Environmental Engineering, Taichung, Taiwan, 15.08.-17.09.2010.

LaRowe, D. E.: School of Earth & Atmospheric Sciences, Georgia Institute of Technology, Atlanta, USA, 13.-17.12.2010.

Lisitzin, A.P.: P.P. Shirshov Institute of Oceanology, RAS, Moscow, Russia, 26.10.-09.11.2010.

Loveday, B.: University of the Cape Town, Cape

Town, South Africa, 16.10.-06.11.2010.

Makhotin, M.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 01.-30.09.2010.

Malakhov, M.: North Eastern Interdisciplinary Science Research Institute FEB RAS, Magadan, Russia, 03.-24.12.2010.

Marcovecchio, J.: Instituto Argentino de Oceanografía, Universidad Nacional del Sur, Bahía Blanca, Argentina, 01.-15.10.2010.

Matul, A.: P.P. Shirshov Institute of Oceanology RAS, Moscow, Russia, 06.09.-31.10.2010.

Meng, Q.: Institute of Oceanology, Chinese Academy of Sciences, Qingdao, P.R.China, 09.11.2010-15.02.2011.

Micallef, A.: International Ocean Institute, Malta Operacional Center, University of Malta, Birkirkara, Malta, 16.06.-11.07.2010.

Mironov, N.: Vernadsky Institute, Moscow, Russia, 10.-31.05.2010.

Morozova, E.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 01.-15.12.2010.

Neumann, V.: DTU Aqua, Charlottenlund, Denmark. 01.01.-31.12.2010.

Onofri, I.: Institute for Marine and Coastal Research Dubrovnik, Croatia. 01.-10.12.2010.

Ovsepyan, E.: P.P. Shirshov Institute of Oceanology, Russian Academy of Sciences, Moscow, Russia, 28.06.-09.07.2010.

Paczkowska, J.: Poland, DBU Stipendiatin, 01.03.2010-31.01.2011.

Peter, K. H.: Dodoma University, Department of Geography and Environmental studies, Dodoma, Tanzania. 29.09.2010-30.09.2013.

Pham Thi Mien: Vietnam, Deutscher Akademischer Austausch Dienst (DAAD/MOET). Stipendium, 01.10.2010-30.09.2014.

Polyakova, Ye.: Moscow State University,

Moscow, Russia, 01.03.-11.04.2010, 26.10.-09.11.2010.

Ponomareva, V.: Institute of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky, Russia, 10.05.-10.06.2010, 30.11.-23.12.2010.

Rabbaniha, M.: University of Tehran, Iran, 28.06.-22.09.2010.

Regnier, P.: Dépt. des Sciences de la Terre et de l'Environnement Université Libre de Bruxelles, Bruxelles, Belgium, 24.-27.01.2010.

Repina, I.: A.M. Obukhov Institute of Atmospheric Physics, RAS, Moscow, Russia, 04.-16.04.2010, 18.-30.12.2010.

Roman, R.: University of the Cape Town, Cape Town, South Africa, 17.09.-01.10.2010.

Sakar, S.: University of Southampton, Southampton, U.K., 13.09.-22.10.2010.

Scott, S.: Department of Geology, University of Toronto, Canada, 01.04.-02.05.2010.

Shiganova, T.: University of Moscow, Russia 14.09.-03.10.2010.

Smith, S.L.: Japan Agency for Marine-Earth Science and Technology (JAMSTEC), Yokohama, Japan, 15.-26.03.2010.

Taldenkova, E.: Moscow State University, Moscow, Russia, 20.06.-19.07.2010, 25.11.-21.12.2010.

Timokhov, L.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 15.08.-14.09.2010.

Tsukanov, N.: P.P. Shirshov Institute of Oceanology RAS, Moscow, Russia, 22.11.-05.12.2010.

Ummenhofer, C.: CCRC, University of New South Wales, Sydney, Australia, 30.04.-07.07.2010.

Vinogradova, E.: P.P. Shirshov Institute of Oceanology, RAS, Moscow, Russia, 14.06.-15.07.2010.

WeiB, R.: Texas A&M University, College Station, USA, 17.05.-04.06.2010, 27.07.-07.08.2010.

Worm, B.: Dalhousie University, Halifax, Nova Scotia, Canada, 15.05.-15.06.2010.

Wu, J.: Institute of Acoustics, Chinese Academy of Sciences, Beijing, China, 28.05.-28.08.2010.

7.2 Visits by IFM-GEOMAR staff

Böttger-Schnack, R.: Australian Commonwealth Scientific and Industrial Research Organization (CSIRO), Marine & Atmospheric Research, Cleveland, QLD, and Australian Institute of Marine Science (AIMS), Townsville, QLD, and Tasmanian Aquaculture and Fisheries Institute (TAFI), Hobart, Tasmania, 20.07.-06.09.2010.

Dale, A. W.: Department of Earth Sciences – Geochemistry, Faculty of Geosciences, Utrecht University, Utrecht, The Netherlands, 03.-05.08.2010.

Dale, A. W.: Instituto Oceanográfico de Venezuela, Universidad de Oriente, Cumaná, Venezuela, 18.-27.06.2010.

Hammann, M.: Ocean University of China, Qingdao, China, 13.04.-15.05.2010 und 03.10.-07.11.2010.

Hu, M.: Institute of cellular and Organismic Biology, Academia Sinica, Taiwan, 01.07.-31.10.2010.

Imhoff, J.F., and Thiel, V.: Universidad Antofagasta, Chile, 18.-29.11.2010.

Karstensen, J.: Guest lecturer, King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia, 09.10.-05.11.2010.

Kiko, R.: Instituto Nacional de Desenvolvimento das Pescas, Mindelo, Republik Kap Verde, 01.03.-30.06.2010.

Kiko, R.: RRS "Discovery", Namibia, 01.09.-31.10.2010.

Krause, S.: Swiss Federal Institute of Technology, Zurich, Switzerland, 17.-23.01.2010.

Kruse, I.: Department of Marine Ecology – Tjärnö, University of Gothenburg, Sweden, 03.-

19.08.2010.

Maczassek, K.: Stockholm University, 09.-12.08.2010.

Prowe, F.: Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology, Cambridge, MA, USA, 01.-12.03.2010.

Stumpp, M.: Kristineberg Marine Research Station, Sven Loven Centre for Marine Science, University Göteborg, Fiskebäckskil, Sweden, 03.03.-20.05.2010.

Weinberger, F.: Pontificia Universidad Catolica de Chile, Santiago, Chile, 07.-26.03.2010.

Weinberger, F.: Roscoff Marine Station, Roscoff, France, 24.01.-06.02.2010.

7.3 Conferences & Meetings (organized by IFM-GEOMAR staff)

Abegg, F.: FS METEOR Open Ship / Ausstellung ROV KIEL 6000, Hamburg, 18.-19.06.2010.

Bange, H.W.: 3rd SOPRAN Annual Meeting, Hamburg, 23.-24.03.2010.

Behrmann, J.: Integrated Ocean Drilling Program (IODP), SAMPLE SPP Colloquium, Kiel, Germany, 16.-19.06.2010.

Berndt, C.: AGU 2010 Fall Meeting session on "Fluid flow in continental margins", American Geophysical Union, San Francisco, USA, 16.12.2010.

Biastoch, A.: The greater Agulhas Current System, Session Chair, 2010 Ocean Sciences Meeting, Portland, OR, USA, 22.-26.02.2010.

Croot, P.L., Heller M.I.: COST 735 workshop: Iron Bioavailability in the Surface Ocean, Kiel, 01.-02.02.2010.

Croot, P.L., Heller M.I.: ESF COST 735&801 workshop: Trace Metal speciation: Current state of the art and towards the construction of a database, Kiel, 16.-17.08.2010.

Dale, A. W.: Modeling hypoxia and related

processes in aquatic environments, Istanbul Technical University, Istanbul, Turkey, 25.03.2010.

Dengg, J. and Zeretzke, A.: InterNat Start-Up Conference, Kiel, 27.-28.09.2010.

Dengg, J.: Schulprojekte im Norden, Kiel, 01.-02.11.2010.

Dullo, W.-Chr. and **van den Bogaard, C.:** 5th KALMAR Workshop, IFM-GEOMAR, Kiel, 27.-28.09.2010.

Fietzke, J., Garbe-Schönberg, C.D., **Hansteen, T.H.:** 10th European Workshop on Laser Ablation, Kiel, Germany, 29.06.-01.07.2010.

Froese, R.: Aquamaps: 5th Programmer's workshop, Kiel, 29.-30.03.2010.

Froese, R.: Fishbase consortium Meeting, Kiel, 07.-09.09.2010.

Froese, R.: Fisheries Reform: EU and international. Workshop at the Pew Fellows in Marine Conservation Annual Meeting, Sant Feliu de Guixols, Spain, 26.09.2010.

Froese, R.: Symposium "20 years of FishBase", Kiel, 06.09.2010.

Haeckel M., and **Treude T.:** Submarine gas hydrates: physicochemical behavior, fluid geochemistry, and biogeochemical processes, European Geosciences Union, General Assembly 2010, Vienna, Austria, 02.-07.05.2010.

Hegglin, M. and **Tegtmeier, S.:** SPARC Data Initiative workshop, ISSI, Bern, Switzerland, 22.-26.11.2010.

Kanzow, T.: Open Session on Ocean Circulation. EGU General Assembly, Vienna, Austria, 02.-07.05.2010.

Kassens, H. and Hölemann, J.: Otto Schmidt Laboratory Fellowship Meeting St. Petersburg, Russia, 26.02.2010.

Kassens, H. and **Volkman-Lark, K.:** 19. LA SCAR/IASC-Tagung des Deutschen Landesausschusses des Scientific Committee of Arctic Research of the International Arctic Science

Committee, Kiel, 27.-28.05.2010.

Kassens, H. and **Volkman-Lark, K.:** Meeting of the Russian-German Working Group: Laptev Sea System, St. Petersburg, Russia, 13.-14.07.2010.

Kassens, H., Hölemann, J. and **Volkman-Lark, K.:** Informationsgespräch des deutschen wissenschaftlichen Beirats des Otto-Schmidt-Labors für Polar- und Meereswissenschaften, Kiel, 17.05.2010.

Kassens, H., Hölemann, J. and **Volkman-Lark, K.:** Otto Schmidt Laboratory Fellowship Meeting, St. Petersburg, Russia, 09.-10.12.2010.

Kassens, H., Hölemann, J., **Kakhro, N., Klagge, T.** and **Volkman-Lark, K.:** Meeting of the Scientific Advisory Board of the Otto Schmidt Laboratory for Polar and Marine Research, Kiel, 27.10.2010.

Kassens, H., Kakhro, N. and **Klagge, T.:** Meeting of the students of the Master Program for Applied Polar and Marine Sciences POMOR, Kiel, 17.-18.12.2010.

Kassens, H., Kakhro, N. and Pfeiffer, E.-M.: Workshop on the Master Program for Applied Polar and Marine Sciences POMOR, University of Hamburg, 24.06.2010.

Kassens, H., Klagge, T. and **Volkman-Lark, K.:** Nationales Arbeitstreffen des Verbundvorhabens „System Laptev-See: Eurasische Schelfmeere im Umbruch – Ozeanische Fronten und Polynjasysteme in der Laptev-See“, Kiel, 29.11.2010.

Kassens, H., Kuhn, M., Haberkorn, A., Neuner, A. and Pellet, F.: 24. Internationale Polartagung, Obergurgl, Austria, 06.-10.09.2010.

Körtzinger, A., Zenk, C.: Coordination Workshop on German Activities at the Cape Verde Observatories, Kiel, 24.09.2010.

Lehmann, A.: Scientific Conference Committee, BALTEX, 6th Study Conference on BALTEX, Miedzysdroje, Island of Wolin, Poland, 14.-18.06.2010.

Park, W.: 5th Scientific Computing Seminar, Numerical Methods for Partial Differential Equations in Earth Sciences, Kiel, 28.06.-30.06.2010 (co-organizer, lead organizer Malte Braack at Kiel University).

Schunck, H.: REAL Metatranscriptomics Workshop, IFM-GEOMAR, Kiel, 13.12.2010.

Sommer, U.: Final Workshop of the DFG-Priority Program AQUASHIFT "Life in warming waters", Kiel, 04.-07.10.2010.

Soria-Dengg, S. and **Dengg, J.:** CarboSchools Spring School, Jena, 10.-17.04.2010.

Tanhua, T.: RECCAP/COCOS Workshop on Regional Carbon Cycle Assessment on Land and Oceans, Viterbo, Italy, 06.-08.10.2010.

Tanner, B., **Kassens, H., Kakhro, N., Klagge, T.,** Priamikov, S. and **Volkman-Lark, K.:** 15. Arbeitstreffen im Rahmen der Fachvereinbarung über die Zusammenarbeit auf dem Gebiet der Meeres- und Polarforschung zwischen dem Ministerium für Bildung und Wissenschaft der Russischen Föderation und dem Bundesministerium für Bildung und Forschung der Bundesrepublik Deutschland, Kiel, 28.-29.10.2010.

Visbeck, M.: 50 Years Intergovernmental Oceanographic Commission (IOC). Parlamentarischer Abend, Berlin, 06.10.2010.

von Bröckel, K.: 23. International Research Ship Operators Meeting (ISOM), IFM-GEOMAR, Kiel, 17.-19.03.2010.

von Bröckel, K.: Optimization of Research Vessel Design for Acoustic Sensors, IFM-GEOMAR, Kiel, 16.03.2010.

Wallmann, K.: Gas hydrate research in Germany, Indisch-Deutscher Gashydrate Workshop, Kiel, 30.08.2010.

Wallmann, K.: Storage of CO₂ below the seabed, CO₂ Sequestration workshop Kiel, 07.10.2010

Wegner, C. and Bowden, S.: ART Steering Group Meeting. Copenhagen, Denmark, 12.-14.04.2010.

Wegner, C., Michel, C. and Bowden, S.: Arctic in Rapid Transition (ART) Implementation Workshop. Winnipeg, Canada, 18.-20.10.2010.

7.4 Colloquia & Seminars at IFM-GEO-MAR

Meereswissenschaftliches Kolloquium

29.01.2010:

Stramma, Dr. L., IFM-GEOMAR, Kiel: "Are the oxygen minimum zones of the tropical oceans expanding?".

26.02.2010:

Schulz, Dr. A., WGBU, Berlin: "International climate politics - where do we stand after Copenhagen?".

25.03.2010:

Dreyer, Dr. A., GKSS Forschungszentrum, Geesthacht: "Atmospheric distribution and seasonality of airborne polyfluorinated compounds".

26.03.2010 - Sonderkolloquium - (anlässlich der Verabschiedung von Dr. Thomas Müller)

Waniek, PD Dr. habil. J., IOW Warnemünde: "Hydrographie und biogeochemische Charakteristika des östlichen subtropischen Nordostatlantiks: Ergebnisse von der Zeitserienstation Kiel276".

Macrander, Dr. A., Alfred-Wegener-Institut, Bremerhaven: "Der Overflow in der Dänemarkstraße – eine Schlüsselstelle für die atlantische meridionale Umwälzzirkulation und für Thomas Müller".

Herzig, Prof. Dr. P., IFM-GEOMAR, Kiel: "Die deutsche Forschungsflotte – über und unter Wasser".

23.04.2010:

Wosnitza-Mendo, C., IMARPE, Peru: "Climate Change impact scenarios for the Peruvian upwelling ecosystem and its principal fisheries resources".

30.04.2010:

Saltzman, Prof. Dr. E., University of California, Irvine, USA: "Atmospheric Cl cycling in the marine boundary layer".

07.05.2010:

Menn, Dr. I., Greenpeace, Hamburg, **Riebesell, Prof. Dr. U.**, IFM-GEOMAR: "The Spitsbergen ocean acidification study: Greenpeace support of IFM-GEOMAR project".

11.05.2010: - Sonderkolloquium -

Boetius, Prof. Dr. A., Max-Planck-Institut für Marine Mikrobiologie, Bremen: "Expeditionen in die Tiefsee - Vom Leben in und auf dem Meer".

20.05.2010:

Worm, Prof. Dr. B., Dalhousie University, Halifax, Nova Scotia, Canada: "Climate-driven global phytoplankton decline over the last century?".

28.05.2010:

„Annette Barthelt - Preisverleihung 2010"

11.06.2010:

Altabet, Prof. Dr. M., University of Massachusetts, Dartmouth, USA: "Nitrogen Isotope Biogeochemistry of the Peru-Chile OMZ".

Sonderkolloquium im Rahmen der Wiederbesetzung der W1 Professur für Meteorologie

25.06.2010:

Maraun, Dr. D., Institut für Geographie, Justus-Liebig Universität, Gießen: „Regionale Modellierung von Extremniederschlägen unter Klimawandel".

Rust, Dr. H.W., Laboratoire des Sciences du

Climat et de l'Environnement, Gif-sur-Yvette, France: "Atmosphärische Zirkulationsmuster: Beschreibung und Vergleich jenseits des Mittelwerts".

25.06.2010:

Nast, F. and **Dr. Anne Che-Bohnenstengel, Dr. A.**, Bundesamt für Seeschifffahrt und Hydrographie (BSH) / DOD, Hamburg: "Das Deutsche Ozeanographische Datenzentrum (DOD) im Dienste von Forschung und Umwelt".

03.09.2010:

Contreras Quintana, Dr. S., Max Planck Institut für Marine Mikrobiologie, Bremen: "The nitrogen isotope signature of anammox".

29.10.2010:

Kienast, Prof. Dr. M., Dept. Oceanography, Dalhousie University, Halifax, Canada: "The tropical Pacific during the last glacial cycle: Proxy calibrations and new findings".

10.12.2010:

Hall-Spencer, Dr. J., University of Plymouth, UK: "The ecosystem effects of ocean acidification".

14.12.2010:

Walsh, Prof. Dr. D., Concordia University, Department of Biology, Montreal, Quebec, Canada: "Metagenomic insights into the microbial ecology of oceanic "dead zones"".

FB1 Seminar Seminar Research Division 1

18.01.2010:

Keenlyside, Dr. N., IFM-GEOMAR, Kiel: "Internal climate variations during the twentieth century".

27.01.2010:

Hodges, Dr. K., University of Reading, Reading,

UK: "Extra-tropical Cyclones in Re-Analyses and Models: Structure and Energetics".

19.02.2010:

Semenov, Dr. V., IFM-GEOMAR Kiel: "Melting Arctic ice favours severe continental frosts".

22.02.2010:

Körper, J., Freie Universität Berlin: "Regional Sea Level Change in the North Atlantic and its Connection to the AMOC".

01.03.2010:

Wohltmann, Dr. I., Alfred Wegener Institut, Potsdam: "Ozone loss in the stratosphere - An overview over the activities of the ozone research group of the Alfred Wegener Institute in Potsdam".

12.04.2010:

Brandt, Prof. Dr. P., IFM-GEOMAR Kiel: "Ventilation of the North Atlantic Oxygen Minimum Zone".

10.05.2010:

Baschek, Dr. B., University of California at Los Angeles, CA, USA: "Aerial and in situ measurements of submesoscale eddies, fronts, and filaments".

11.05.2010:

Dommenges, Dr. D., Monash University, Melbourne, Australia: "Beyond the Classical El Nino".

17.05.2010:

Biastoch, Dr. A., IFM-GEOMAR, Kiel: "Agulhas Leakage: The Neglected Player in the Atlantic Meridional Overturning Circulation".

31.05.2010:

von Savigny, Dr. C., IUP, Universität Bremen: "Drivers for the Variability in Noctilucent Clouds".

14.06.2010:

Ummendorfer, Dr. C., z.Zt. IFM-GEOMAR, Kiel: "Australian Droughts and the Indo-Pacific Climate System - Does Timescale Matter".

21.06.2010:

Dmintrenko, Dr. I., IFM-GEOMAR, Kiel: "Supercooling and frazil ice formation in the Laptev Sea coastal polynya".

28.06.2010:

Pohlmann, Dr. H., Met Office, Hadley Centre, Exeter, UK: "Atlantic Meridional Overturning Circulation Variability in Decadal Climate Prediction Systems".

06.07.2010:

Sobel, Dr. A., Lamont-Doherty Earth Observatory, Columbia University, Palisades, NY, USA: "Projected future changes in the tropical seasonal cycle".

16.07.2010:

Kuwano-Yoshida, Dr. A., Earth Simulator Center, JAMSTEC, Yokohama Kanagawa, Japan: "Precipitation response to the Gulf Stream in an atmospheric GCM".

19.07.2010:

Reichler, Assoc. Prof. T., Department of Atmospheric Sciences, University of Utah, Salt Lake City, UT, USA: "On the Evolution of Climate Models".

28.07.2010:

Graf, Prof. Dr. H.-F., University of Cambridge, Cambridge, UK: "Climate Impacts of Super Volcanos".

09.08.2010:

Hordoir, R., Swedish Meteorological and Hydrological Institute, Norrköping, Sweden: "The seasonal cycle of stratification in the Baltic Sea in present and future climates, a numerical study".

19.08.2010:

Jakob, Prof. Dr. C., Monash Weather and Climate, School of Mathematical Sciences, Monash University, Melbourne, Australia: "Large-scale states of tropical convection and their

relationship to SST variability".

10.09.2010:

Löptien, Dr. U., Swedish Meteorological and Hydrological Institute, Norrköping, Sweden: "Multidecadal CO₂ uptake variability of the North Atlantic".

15.09.2010:

Hegglin, Dr. M., University of Toronto, Toronto, Canada: "Climate change and the ozone layer: Connections and surface impacts".

30.09.2010:

Chen, Dr. C.-T., National Taiwan Normal University, Taipei, Taiwan: "Simulation of Seasonal Northwest Pacific Typhoon Activity with a Regional Climate Model".

18.10.2010:

Schofield, Dr. R., AWI, Potsdam: "A concept study: The sensitivity of stratospheric Bry to uncertainties in very short lived substance emissions and atmospheric transport".

25.10.2010:

Lavinia, Dr. P., Euro-Mediterranean Centre for Climate Change (CMCC), Italy: "Marine biogeochemical responses to the North Atlantic Oscillation in a coupled climate model".

29.11.2010:

Greatbatch, Prof. Dr. R., IFM-GEOMAR, Kiel: "On the dynamics of the Gulf Stream Extension region".

06.12.2010:

Omrani, Dr. N.-E., IFM-GEOMAR, Kiel: "Stratosphere boosts wintertime atmospheric response to Atlantic decadal variability".

13.12.2010:

Feng, Dr. Ming, CSIRO, Australia: "The Leeuwin Current - dynamics, variability and influences from tropical Pacific".

Seminar SFB 574

16.03.2010:

Ramalho, Dr. Ricardo, Earth Sciences, The University of Bristol, UK: "Vertical movements of ocean island volcanoes: insights from a stationary plate environment".

18.03.2010:

Grevenmeyer, Dr. Ingo, IFM-GEOMAR, Kiel: "Heat flow anomalies, gas hydrates and fluid flow offshore Central Chile".

21.04.2010:

Ruprecht, Philipp, Geochemistry Building, Lamont-Doherty Earth Observatory, Palisades, NY, USA: "The effects on crystal residence time Scales and eruptive behaviour The 1846 1847 and 1932 eruption".

28.04.2010:

von Huene, Prof. Roland, Department of Geology, University of California Davis, CA, USA: "A history of convergent margin model development".

29.04.2010:

Steeb, Philip, IFM-GEOMAR: "Sediment-Flow-Through-System: work on microbial methane filter".

12.05.2010:

Toohey, Dr. Matthew, IFM-GEOMAR: "How does the impact of tropical volcanic eruptions depend on eruption season?".

Metzner, Doreen, IFM-GEOMAR: "Simulations of the climate response to major volcanic eruptions using different complexities of earth system climate models".

02.06.2010:

Baese, Rauno, Metamorphe und magmatische Petrologie, Christian-Albrechts-Universität, Kiel: "Metamorphic fluids in subductions channels: informations from high pressure rocks of the

Bantimala complex of Sulawesi, Indonesia".

10.06.2010:

Dzierma, Dr. Yvonne, Institut für Geophysik, Christian-Albrechts-Universität, Kiel: "Eruption time series statistically examined: Probabilities of future eruptions in the Chilean Southern Volcanic Zone".

01.07.2010:

Kilian, Rolf, Lehrstuhl für Geologie, Fachbereich Geographie/Geowissenschaften (FB VI), Universität Trier: "Paläotektonische und paläoklimatische Rekonstruktionen anhand holozäner und spätglazialer See- und Fjordsedimente der Südanden".

26.08.2010:

Stock, Cindy Mora, Institut für Geophysik, Christian-Albrechts-Universität, Kiel: "The 27th, February 8.8 Maule (Chile) Earthquake".

08.09.2010:

Thurber, Andrew R., Integrative Oceanography Division, Scripps Institution of Oceanography, La Jolla, California: "Rocks, Worms, and Dancing Crabs - Microbe-Metazoan Interactions from Pacific Meth".

02.09.2010:

Kohn, Mika, Georg-August-Universität, Göttingen: "Volcanogenic materials preserved in polar deep ice cores: implications for climate impact and synchronization of palaeoclimate records".

09.09.2010:

Eisele, Steffen und Tost, Manuela, Geologie, Christian-Albrechts-Universität, Kiel: Diploma theses: "Temporal, eruptive style and geochemical evolution of the Eselsberg and Feuerberg scoria cones (West Eifel volcanic field)".

Seminar Research Unit Maritime Meteorology

29.04.2010

Metzner, D., IFM-GEOMAR, Kiel: "Simulations of the climate response to major volcanic eruptions using different complexities of earth system climate models".

03.06.2010

Renkosik, N., IFM-GEOMAR, Kiel: "Influences of clouds on the energy balance in the Arctic".

Tessendorf, A., IFM-GEOMAR, Kiel: "Modeling of the shortwave radiation balance in the Arctic including clouds and sea-ice".

10.06.2010

Wache, S., IFM-GEOMAR, Kiel: "Transport of trace gases in the MBC in the tropical western Pacific during the TransBrom SONNE campaign".

08.07.2010

Bayr, T., IFM-GEOMAR, Kiel: "Response of sea level pressure in the A/B Scenario".

Bancala, S., IFM-GEOMAR, Kiel: "Analysing Major Midwinter Warmings in the coupled middle atmosphere ocean model MAECHAM5-MPIOM".

15.07.2010

Cesko, T., IFM-GEOMAR, Kiel: "Influences of periodic solar constant changes on climate".

Ding, H., IFM-GEOMAR, Kiel: "Annual to Interannual Equatorial Atlantic Variability: Mechanisms and Tropical Impacts".

22.07.2010

Mohr, V., IFM-GEOMAR, Kiel: "Transport Analysis in the TTL".

17.11.2010

Immler, Dr. F., DWD Lindenberg: "Global Climate Observing System (GCOS) Reference Upper-Air Network (GRUAN): Reference-measurements in the free atmosphere".

25.11.2010

Frauen, C., IFM-GEOMAR, Kiel: "ENSO Mechanismen und Wechselwirkungen in einem hybrid gekoppelten „Recharge Oscillator“ Modell".

07.12.2010

Mohr, V., IFM-GEOMAR, Kiel: "Analyzing the tropical widening of the TTL with a Lagrangian approach".

Toohey, Dr. M., IFM-GEOMAR-Kiel: "On the Hemispheric Asymmetry of Sulphate Aerosol Loading and Deposition After Major Tropical Volcanic Eruptions".

09.12.2010

Geib, A., IFM-GEOMAR, Kiel: "Transportprozesse in der Tropischen Tropopausenschicht im Nordhemisphärischen Winter mit ERA-Interim Assimilationsdaten".

Others Seminars

06.01.2010:

Severmann, S., Department of Earth & Planetary Sciences, Rutgers University, USA: "The lighter side of BIFs: Benthic Iron Flux and it's isotope composition".

11.01.2010:

Pahlow, Dr. M., IFM-GEOMAR, Kiel: "Model of Zooplankton Optimal Current Feeding".

25.01.2010:

Mackinder, L., IFM-GEOMAR, Kiel: "Ion transport and calcification in coccolithophores".

27.01.2010:

Kasemann, Simone, Universität Bremen, Bremen: "Boron isotope signals in marine carbonates and the challenge of ocean pH reconstruction".

01.02.2010:

Klavsen, S., IFM-GEOMAR, Kiel: "Ecophysiology and inorganic uptake in freshwater plants – with focus on Crassulacean Acid Metabolism".

15.02.2010:

Büdenbender, J., IFM-GEOMAR, Kiel: "Impacts of ocean acidification and warming on arctic califying key organisms".

16.03.2010:

Ramalho, Dr. R., University of Bristol, UK: "Vertical movements of ocean island volcanoes: insights from a stationary plate environment".

19.03.2010:

Clift, Dr. P.: University of Aberdeen, UK. "Tibet, Himalaya and the Development of the Asian Monsoon: A chicken and egg problem for the IODP".

08.04.2010:

Wang, G., Ocean University of China, Qingdao, China: "Mariculture and breeding research of Laminaria in China".

26.04.2010:

Kurten, B., Marine Science and Technology, Newcastle University, UK: "An end-to-end study of primary production and nutrient fluxes at eco-hydrographically distinct sites of the North Sea".

03.05.2010:

Beale, R., Plymouth Marine Laboratory, UK: "OVOC Concentrations in the Atlantic Ocean".

10.05.2010:

Bauersachs, Dr. Th., Dept. of Organic Geochemistry, Christian-Albrechts-Universität, Kiel: "Heterocyst glycolipids – Novel biogeochemical markers to trace for N₂-fixing cyanobacteria in the global nitrogen cycle".

12.05.2010:

Krause, S., Aloisi, G., Liebetrau, V., and Treude, T.: "Calcite dissolution by marine aerobic methanotrophic bacteria in closed-system experiments".

17.05.2010:

Biermann, A., IFM-GEOMAR, Kiel: "Effect of temperature (and light) on the cycling of organic matter during a phytoplankton bloom".

31.05.2010:

Halm, H., MPI, Bremen: "Nitrogen Fixation in the South Pacific Gyre".

07.06.2010:

Tseng, Dr. Y.-Ch., Institute of Cellular and Organismic Biology, Academia Sinica, Taipei City, Taiwan: "Exploring uncoupling proteins and anti-oxidative stress mechanisms under acute cold exposure in brains of zebrafish".

21.06.2010:

Steinhoff, T., IFM-GEOMAR, Kiel: "Net community production in the Mauritanian upwelling as estimated from measurements of CO₂ and N₂O".

28.06.2010:

Schneider, A., IFM-GEOMAR, Kiel: "Anthropogenic carbon in the Mediterranean Sea".

02.07.2010:

De la Calle, F., PharmaMar, Madrid, Spain: "Marine Biodiversity and Biotechnology applied to human health. The experience of PharmaMar".

14.07.2010:

Devey, C., IFM-GEOMAR: "Geländearbeit am Meeresboden".

30.07.2010:

Croot, Dr. P.L., IFM-GEOMAR: "Potential impacts of Global Change on trace metal biogeochemical cycles".

19.08.2010:

von Hobe, Dr. M., Forschungszentrum Jülich: "The ozone hole – past, present and future".

08.09.2010:

Thurber, A., Scripps Institution of Oceanography, USA: "Rocks, Worms, and Dancing Crabs: Microbe-Metazoan Interactions from Pacific Methane Seeps".

04.10.2010:

Roedenbeck, Chr., MPI für Biogeochemie, Jena: "Diagnosing the Variability of Ocean Biogeochemistry: Multiple Constraints from Atmospheric and Oceanic Data".

01.11.2010:

Koeve, W., IFM-GEOMAR, Kiel: "Computation of CO₂ and the concentration of carbonate ions and the potential role of DOM accumulation in ocean

acidification experiments".

08.11.2010:

Riebesell, Prof. Dr. U., IFM-GEOMAR, Kiel:
"EPOCA Arctic Campaign 2010".

15.11.2010:

Steinhoff, T., IFM-GEOMAR, Kiel: "Carbon and nutrient fluxes in the North Atlantic".

22.11.2010:

Sett, S., IFM-GEOMAR, Kiel: "The combined effect of global warming and ocean acidification on the coccolithophore *Geophyrocapsa oceanica* carbon production and physiology".

23.11.2010:

Chisholm, S.W., Massachusetts Institute of Technology, Cambridge, MA, USA: "Tiny Cells, Global Impact: Why you should care (and worry) about marine microbes".

29.11.2010:

Somes, Chr., IFM-GEOMAR, Kiel: "Modeling the distribution of nitrogen isotopes in the global ocean".

06.12.2010:

Quack, B. and Krüger, K., IFM-GEOMAR, Kiel:
"From the ocean to the stratosphere: trace gases over the tropical Western Pacific".

08.12.2010:

Appel, K., HASYLAB at DESY, Hamburg:
"Synchrotron radiation techniques applied to geomaterials: why and how?".

13.12.2010:

Bermúdez M., J. R., IFM-GEOMAR, Kiel: "Effect of CO₂ on elemental composition and fatty acids of diatoms and concomitant effects on copepods".

7.5 Expert Activities:

Bange, H.W.:

- National Co-Representative, SOLAS (Surface Ocean – Lower Atmosphere Study).
- Co-Chair of Working Group 3 of 'The European Cooperation in the field of Scientific and Technical Research' (COST) Action 735: "Tools for Assessing Global Air-Sea Fluxes of Climate and Air Pollution Relevant Gases".

Bauch, H.A.:

- Member, Scientific Steering Committee: PAGES Working Group: Arctic2k - Arctic climate during the last 2 millennia

Behrmann, J.H.:

- Member, Board of Governors, Deutsches Geo forschungszentrum Potsdam
- Scientific Advisor (PhD candidates), University of Freiburg.
- Scientific Coordinator, DFG-SPP "SAMPLE" (South Atlantic)

Biastoch, A.:

- Co-chair, SCOR WG 136 "Climatic Importance of the Greater Agulhas System"

Böning, C.:

- Ex-officio member, WGCM/CLIVAR Working Group on Ocean Model Development

Brandt, P.:

- Chair, CLIVAR-TACE Observations Working-Group
- Co-chair, CLIVAR Atlantic Implementation Panel
- Vice-President, EGU Division on Ocean Sciences
- Science Secretary for Deep Oceans and Ocean Climate in the Ocean Science Division of EGU
- Member, PIRATA Scientific Steering Group
- Member, Medium research vessel Steering Group

Clemmesen, C.:

- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK).
- Member, ICES Working Group on Recruitment Processes.
- Member and Secretary elect, Early Life history section of the American Fisheries Society.

Croot, P.:

- Member, International GEOTRACES Standards and intercalibration committee
- Member, EU COST Workgroup Action 735: Tools for Assessing Global Air-Sea Fluxes of Climate and Air Pollution Relevant Gases
- Member, EU COST Workgroup Action 801: The ocean chemistry of bioactive trace elements and paleoclimate proxies

Dullo, W.-Chr.:

- Representative of Germany, CIESM
- Chair, Scientific Advisory Board, Deutsches Meeresmuseum Stralsund
- Chair, Verein zur Förderung der GeoUnion Alfred-Wegener-Stiftung e.V.
- Treasurer, GeoUnion Alfred-Wegener-Stiftung e.V.
- Member, Executive Committee, Geologische Vereinigung
- Member, Scientific Advisory Board, „Forschungsdialog: System Erde“, Leibniz Institut für Pädagogik der Naturwissenschaften Kiel
- Member, Award Committee for Humboldt- and Wilhelm Bessel Research Awards, Alexander von Humboldt Foundation
- Member, Committee for Scientific Libraries and Information Systems, DFG
- Member, Fachkollegium Earth Sciences, DFG

Flüh, E. R.:

- Member, FKPE (Forschungskollegium Physik des Erdkörpers e.V.)

Frank, M.:

- Member, International Steering Committee, GEOTRACES program
- Member, Beirat Kölner Hochleistungs-Beschleuniger-Massenspektrometer, DFG
- Member, Management Committee of COST Action ES0801 (Ocean Chemistry)

Froese, R.:

- Coordinator, FishBase Consortium.
- Coordinator, AquaMaps Consortium.
- Member, DFG Arbeitsgruppe zu Biodiversitätsdaten.

Herzig, P.M.:

- Maritime Coordinator of the State of Schleswig-Holstein
- Maritime Ambassador of the European Commission
- Member, "Senat und Hauptausschuss", Deutsche Forschungsgemeinschaft
- Member, Senate Commission on Geosciences, Deutsche Forschungsgemeinschaft
- Member, Executive Board, Leibniz Association, Berlin
- Chair, Section „Environmental Research“ of the Leibniz Association (WGL)
- President elect, Partnership for Observation of the Global Oceans
- Member, Board of Governors, Alfred Wegener Institut für Polar- und Meeresforschung, Bremerhaven

Hinrichsen, H.-H.:

- Member, ICES Working Group on Modeling of Physical/Biological Interactions.

Imhoff, J.F.:

- Chairman, ICBS Subcommittee on the Taxonomy of Phototrophic Bacteria.
- Scientific steering committee of the International Symposium of Phototrophic Bacteria.

Karstensen, J.:

- Member, Data Buoy Cooperation Panel (DBCP)
- Member, OCEAN Sustained Interdisciplinary Timeseries Environment observation System (OceanSITES)
- Member, OceanSITES Steering Team
- Member, OceanSITES Data Management Team
- German representative COST Aktion ES0904 European Glider Initiative
- German representative COST Aktion ES1001 SMOS Mission Oceanographic Data Exploitation

Krahmann, G.:

- Member, Scientific Advisory Committee Europe Mer, Brest, France
- EGO-COST Management Committee, deputy delegate

Kassens, H.:

- Director, Otto Schmidt Laboratory for Polar and Marine Research, St. Petersburg
- Chair, Master Program for Applied Marine and Polar Sciences (POMOR)
- Chair, Wissenschaftlicher Beirat der Deutschen Gesellschaft für Polarforschung
- Chair, Working group „Arctic Shelf Seas“ of ICARP II (International Conference on Arctic Research Planning)
- Chair, AOSB Program New Research Generation (NRG)
- Member, ICARP II Marine Roundtable
- Member, International Ocean Drilling Program (IODP) Detailed Planning Group for Arctic Drilling
- Member, International Arctic Polynya Programme (AOSB; IAPP)
- Member, Shelf-Basin Exchange Initiative (AOSB; SBE)
- Member, German Committee of the „Inter-

national Arctic Science Committee“ and the „Science Committee on Antarctic Research“

- Member, Kommission unabhängiger Sachverständiger zur Beurteilung der Umweltauswirkungen von Forschungstätigkeiten in der Antarktis
- Representative of Deutsche Forschungsgemeinschaft (German Research Foundation), ESF Standing Committee for European Boards for Marine and Polar Sciences

Krastel-Gudegast, S.:

- Member, Scientific Technology Panel, IODP.

Körtzinger, A.:

- Member, Executive Board, "Future Ocean" Excellence Cluster, Univ. Kiel
- Member, Scientific Advisory Board, Leibniz Institute for Baltic Sea Research, Warnemünde
- Member, Scientific Steering Group, International Ocean Carbon Coordination Project (IOCCP)

Latif, M.:

- Ordentliches Mitglied, Akademie der Wissenschaften in Hamburg
- Member, Club of Rome

Lehmann, A.:

- Member, BALTEX Scientific Steering Group
- Member, Scientific advisory board, Ozeaneum - Deutsches Meeresmuseum, Stralsund

Oschlies, A.:

- Member, SCOR GEOTRACES Planning Group

Piatkowski, U.:

- Member, ICES Working Group on Cephalopod Life Cycles and Fisheries.
- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK).
- Member, Scientific Steering Committee, Census of Marine Life (CoML) pilot project: Patterns and processes of the ecosystems of the northern mid-Atlantic (MAR-ECO).

- Member, Scientific Advisory Board of the Annette-Barthelt-Foundation.
- Member, Cephalopod International Advisory Council (CIAC).

Quack, B.:

- Member, Thesis Committee Stefan Raimund, Université de Bretagne Occidentale, Brest, Station Biologique Roscoff, France
- Member, Member of COST Action 735 'Tools for Assessing Global Air-Sea Fluxes of Climate and Air Pollution Relevant Gases' European Concerted Research Action.
- Member, Steering Committee SHIVA (Stratospheric Ozone: Halogens Impacts in a Varying Atmosphere), EU-Project

Reusch, T.:

- Member, Advisory Board DFG-Schwerpunkt-programmes 'Host-parasite coevolution'
- Member, Advisory Board BMBF-Verbundvorhabens 'Ocean Acidification – Ozeanversauerung- BIOACID'

Riebesell, U.:

- Coordinator, German coordinated project on Biological Impacts of Ocean Acidification (BIOACID)
- Deputy coordinator, European Project on Ocean Acidification (EPOCA)
- Member, SOLAS-IMBER Working Group on Ocean Acidification
- Chair, Steering Committee for "The ocean in a high CO₂ World III" Conference
- Chair, working group for preparing a Guide for Best Practices in Ocean Acidification Research, IOC
- Member, executive committee of Excellence Cluster "The Future Ocean"
- Member, National Environment Research Council (NERC) writing group commissioned to develop a UK programme on ocean acidification

- Member, U.S. National Research Council (NRC) commission for preparing a research strategy for Ocean Acidification Monitoring, Research and Impacts Assessment
- Member, Scientific Advisory Board, Chinese project Carbon cycling in China Seas (CHOICE-C)
- Member, UNESCO-IOC consultative group on Ocean Iron Fertilization
- Leader of subproject B2, Collaborative Research Centre (SFB 754)
- Member and coordinator of research topic A1 Ocean Acidification, Excellence Cluster "The Future Ocean"
- Theme leader, BMBF Coordinated Project Surface Ocean Processes in the Anthropocene (SOPRAN)

Rumohr, H.:

- Member ICES Benthos Ecology Working Group (BEWG)
- Member, ICES Working Group on Biodiversity
- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK).

Schaber, M.:

- Member, ICES WGBIFS: Baltic International Fish Survey Working Group

Schmidt, J.O.:

- Member, ICES Working Group on Zooplankton Ecology
- Member, ICES WGZE: Working group on zooplankton ecology
- Member, ICES PHERS: Planning group for herring surveys
- Member, ICES HAWG: Herring assessment working group for the area south of 62°N

Schönfeld, J.:

- Secretary, Sub-commission on Cretaceous Stratigraphy, Germany
- Regular member, Subkommission für Kreide-

Stratigraphie

Sommer, U.:

- Chair, Board of Trustees of the Max-Planck-Institute for Evolutionary Biology, Plön.
- Chair, Scientific Advisory Board, Institute for Limnology of the Austrian Academy of Sciences, Mondsee, Austria

Spielhagen, R.F.:

- Member, German Steering Committee, Arctic Paleoclimate and its Extremes (APEX) (IASC Project)

Tanhua, T.:

- Member, Global Ocean Ship-based Hydrographic Investigations Panel (GO_SHIP)
- Member, CLIVAR Global Synthesis and Observation Panel (GSOP)
- Member, The International Ocean Carbon Coordination Project (IOCCP) SSG

Thetmeyer, H.:

- Member, ICES Working Group on Environmental Interactions of Aquaculture (WGEIM)

Visbeck, M.:

- Member, Steuergruppe BMBF Verbundprojekt „ATLANTISCHER OZEAN"
- Member, Network "The Future Ocean" , CAU, Kiel
- Member, GEO (Group on Earth Observations) science and technology panel
- Member, IOC Working Group Advisory Body of Experts on the Law of the Sea
- Member, Senatskommission für Ozeanographie
- Speaker, Cluster of Excellence "The Future Ocean"
- Co-Chair of CLIVAR Scientific Steering Group
- Member, Nationales Komitee für Global Change Forschung
- Member of Integrated Framework for Sustained Ocean Observations Task Team
- Members of the ICSU Panel „Regional Envi-

ronmental Change: Human Action and Adaptation"

- Member DFG Fachkolleg 313 Atmosphären und Meeresforschung
- Co-Chair, Annette Barthelt Preis Komitee

Voss, R.:

- Member, GLOBEC SPACC/IOC Study Group on Regional Scale Ecology of Small Pelagic Fish.
- Member, ICES Study Group on Baltic Fish and Fisheries Issues in Support of the Baltic Sea Regional Project.
- Member, ICES Study Group on Multispecies Assessments in the Baltic.
- Member, ICES Study Group on Multispecies Model Implementation in the Baltic.

Wahl, M.:

- Board of Trustees of Terramare, Wilhelmshaven
- National representative to the Baltic Marine Biologists Committee

Wallace, D.W.R.:

- Chair, International SOLAS programme (IGBP, WCRP, SCOR, CACGP)
- Speaker SFB 754
- Coordinator SOPRAN Project (Surface Ocean Processes in the Anthropocene) National Coordinated Project (BMBF)
- Member, Advisory Board, Hanse Wissenschaftskolleg, Delmenhorst
- Member, Advisory Board, Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven
- Member, Conseils Scientifique, L'Institut Universitaire Européen de la Mer (IUEM), Brest, France
- Member, Management Committee, WG 5 of COST Action 735 "Tools for Assessing Global Air-Sea Fluxes of Climate and Air Pollution Relevant Gases".

- Member, OceanSITES Steering Committee

Wegner, C.:

- Chair, ICARP II Marine Roundtable
- Chair, Arctic in Rapid Transition (ART) Initiative
- Member, OMAE Scientific Committee – Coastal Engineering

Weinrebe, W.:

- Member, Advisory Board, German Hydrographic Society (DHG)
- Member, wissenschaftlich-technische Arbeitsgruppe Ersatzbau SONNE

7.6 Editorial Boards

Bauch, H. A.:

- Quaternary Science Reviews, Paleoceanography (Associate Editor)

Behrmann, J.H.:

- Journal of Geological Research (Editorial Board)

Bialas, J.:

- Marine Geology (Guest Editor).

Böning, C.:

- Ocean Modelling (Editorial Board)

Böttger-Schnack, R.:

- Associate Editor (*Copepodenfamilie Oncaeidae*), World Register of Marine Species (WoRMS)

Croot, P.:

- Environmental Chemistry (Associate Editor).

Dullo, W.-Chr.:

- International Journal of Earth Sciences, IJES (Editor in Chief)
- Marine Ecology (Associate Editor)
- Facies (Associate Editor)

Froese, R.:

- Acta Ichthyologica et Piscatoria (Editorial Board).
- Journal of Applied Ichthyology (Editorial Board).

Greatbatch, R.:

- Ocean Dynamics (Associate Editor)

Grevemeyer, I.:

- Geophysical Journal International (Editorial Board)

Imhoff, J.F.:

- International Microbiology, (Editorial Board).

Karstensen, J.:

- Journal of Operational Oceanography (Editorial Board)

Lehmann, A.:

- Oceanological and Hydrobiological Studies

(Editorial Board)

Oschlies, A.:

- Ocean Dynamics (Editorial Board)
- Ocean Modelling (Editorial Board)

Piatkowski, U.:

- Aquatic Biology (Review Editor)
- Endangered Species Research (Review Editor).

Reusch, T.:

- Conservation Genetics (handling editor)
- Marine Biology (handling editor)

Riebesell, U.:

- Biogeosciences (Co-Editor)

Santer, B.:

- Assistant to the editorial staff: Marine Biology, Springer

Semenov, V.:

- IPCC Special Report on Extreme Events (Review Editor)

Sommer, U.:

- Protist (Associate Editor).
- Oecologia (Handling Editor).
- International Review of Hydrobiology (Editorial Board).
- Basic and Applied Ecology (Editorial Board).
- Aquatic Sciences (Editorial Board).
- Ecological Studies (Springer) (Series Editor).
- Editor-in-Chief, Marine Biology, Springer

Spielhagen, R. F.:

- Polar Research, Geosciences (Subject Editor)

Treude, T.:

- Member Editorial Board, Biogeosciences (Journal)

7.7 Honors & Awards:

Appelhans, K.:

- Posterpreis, 45. European Marine Biology Symposium (EMBS) in Edinburgh, UK, 23.-27.08.2010.

Biastoch, A.:

- Golden Spike Award for High-Performance Computing at HLRS, Stuttgart, 05.10.2010.

Dengg, J.:

- Kai-Uwe v. Hassel Förderpreis, Hermann Ehlers Stiftung, 18.11.2010.

Dmitrenko, I.:

- Publikationspreis, IFM-GEOMAR, Kategorie FB1

Herzig, P.:

- Verdienstorden des Landes Schleswig-Holstein, 05.06.2009.

Hetzinger, S.:

- Best non-student poster presentation prize, 2nd International Sclerochronology Conference, Mainz, 28.07.2010.

Maczeassek, K.:

- Posterpreis, 45. European Marine Biology Symposium (EMBS) in Edinburgh, UK, 23.-27.08.2010.

Mohr, W.:

- Publikationspreis, IFM-GEOMAR, Kategorie FB2

Nürnberg, D.:

- außerplanmäßige Professur, Universität Kiel, 19.05.2010.

Pansch, C.:

- Bester Vortrag, 45. European Marine Biology Symposium (EMBS) in Edinburgh, UK, 23.-27.08.2010.

Petrack, G.:

- Highly Cited Author Award 2005-2009, "A global survey of perfluorinated acids in oceans", Marine Pollution Bulletin (Elsevier), June 2010

Planert, L.:

- Publikationspreis, IFM-GEOMAR, Kategorie FB4

Toohey, M.:

- Young Scientists' Outstanding Poster Presentation (YSOPP) Award der European Geosciences Union (EGU), Vienna, Austria, 02.-07.05.2010

Winder, M.:

- Publikationspreis, IFM-GEOMAR, Kategorie FB3

8. Teaching Courses

8.1 External teaching courses

Biastoch, A.: Lehre im Rahmen der GATEWAYS Summer School, Barcelona, 19.-23.07.2010.

Dullo, W.-Chr.: Lehre im Rahmen des russisch-deutschen Masterstudiengangs für angewandte Polar- und Meeresforschung POMOR, St. Petersburg State University, St. Petersburg, Russia, 24.02.-02.03.2010.

Dmitrenko, I.: Lehre im Rahmen des russisch-deutschen Masterstudiengangs für angewandte Polar- und Meeresforschung POMOR, St. Petersburg State University, St. Petersburg, Russia, 12.-14.05.2010.

Kassens, H.: Lehre im Rahmen des russisch-deutschen Masterstudiengangs für angewandte Polar- und Meeresforschung POMOR, St. Petersburg State University, St. Petersburg, Russia, 22.-26.03.2010.

Karstensen, J.: Guest lecturer, King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia, 09.10.-05.11.2010.

Klagge, T.: Lehre im Rahmen des russisch-deutschen Masterstudiengangs für angewandte Polar- und Meeresforschung POMOR, St. Petersburg State University, St. Petersburg, Russia, 12.05.-14.05.2010.

Sommer, U.: The impact of climate change on open water ecosystems. Technische Universität München, Freising, 10.05.2010.

Sabbaticals:

Hoernle, K., July 2009 – July 2010, Georgia, USA

Devey, C., November 2010 – October 2011, WHOI, USA

8.2 Teaching at Christian-Albrechts-Universität zu Kiel

Please note: This is an extract of the official course listing of the Christian-Albrechts-Universität zu Kiel. Only contributions by IFM-GEOMAR staff are listed.

W I N T E R - T E R M 2009/2010

Research Division 1: Ocean Circulation and Climate Dynamics

| | |
|--|--|
| "North Atlantic Decadal Climate variability" Emmy-Noether-Arbeitsgruppentreffen, | Keenlyside, N.S. |
| Advanced Climate Seminar Mid-latitude ocean-atmosphere interaction", S; 2 SWS; | Keenlyside, N.S., Greatbatch, R., Latif, M. |
| Advanced Physical Oceanography: Thermohaline Circulation (MNF-ozgr-301a), V; 2 SWS; MNF-ozgr-301a; | Brandt, P. |
| Angewandte Programmierübungen UNIX/Fortran/Matlab (für Haupt- und Nebenfächler), UE; 2 SWS; | Kanzow, T., Dommenges, D., Czeschel, L., Scheinert, M. |
| Angewandte Synoptik, V; 2 SWS; | Bumke, K., Martin, Th. |
| Angewandte Synoptik, UE; 2 SWS; | Bumke, K., Martin, Th. |
| Anleitung zu selbständigem wissenschaftlichen Arbeiten, AW | Latif, M., Macke, A., Dommenges, D., Krüger, K. |
| Anleitung zum wiss. Arbeiten: "Ozean Atmosphären Wechselwirkung", AW; 2 SWS; | Dommenges, D. |
| Atmosphären und Ozean Dynamik II, V; 2 SWS; MNF-klim-201; | Böning, C. |
| Übungen zur Vorlesung: Atmosphären und Ozean Dynamik II, UE; 2 SWS; | Biastoch, A. |
| Blockkurs: Foraminiferen im schleswig-holsteinischen Wattenmeer (MNF-geow-MWPS1), KU; 2 SWS; | Schönfeld, J., Kuhnt, W. |
| Climate Dynamics, V; 2 SWS; MNF-klim-301a; | Latif, M. |
| Climate Dynamics, UE; 1 SWS; MNF-klim-301a; | Dommenges, D., Martin, T. |
| Cloud Physics, V; 2 SWS; MNF-mete-301; | Macke, A. |
| Cloud Physics, UE; 2 SWS; Schein; MNF-mete-301a; | Macke, A. |
| Einführung in die Erdöl- und Erdgasgeologie, V; 2 SWS; Schein; | Dullo, W.-Ch. |
| Einführung in die Meteorologie, V; 3 SWS; MNF-klim-101a; | Krüger, K. |

Appendices

[FB1-Seminar](#), S;

[Literaturseminar der Meteorologie, Ozeanographie, Geophysik](#), S; 2 SWS;

[Meereswissenschaftliches Kolloquium](#), KO;

[Modern Aspects in Oceanography IV \(MNF-ozgr-404\)](#), V; 2 SWS; MNF-ozgr-401;

[Numerical Methods and Modells](#), V; 2 SWS; MNF-klim-304a;

[Übung zur Vorlesung Numerical Methods and Modells](#), UE; 2 SWS; MNF-klim-304a;

[Regionale Ozeanographie](#), V; 2 SWS;

[Regionale Ozeanographie](#), UE; 2 SWS;

[Seminar für Diplomanden der Meteorologie](#), S; 2 SWS;

[Seminar für Diplomanden der Physikalischen Ozeanographie](#), S; 2-std.,

[Seminar für Diplomanden und Doktoranden: Aktuelle Forschungsergebnisse der marinen Geologie](#), S; 1 SWS;

[Seminar für Doktoranden der Physikalischen Ozeanographie](#), S; 2-std.

[Seminar: Fortschritte der Karbonatsedimentologie für Diplomanden und Doktoranden](#), S; 2 SWS;

[Trace Metals in Sea Water \(MNF-mgeo-CP\)](#), S; 2 SWS;

[Übung zur Vorlesung Advanced Physical Oceanography: Thermohaline Circulation \(MNF-ozgr-301a\)](#), UE; 1 SWS;

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Professoren und Dozenten des IFM-GEOMAR

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[Macke, A.](#), [Dommenges, D.](#), [Krüger, K.](#), [Latif, M.](#)

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[Dengler, M.](#)

[Oschlies, A.](#), [Pahlow, M.](#)

[Wallace, D.W.R.](#)

[Treude, T.](#)

Research Division 2: Marine Biogeochemistry

[Advanced Biological Modelling \(MNF-bioc-341\)](#), V/UE; 2 SWS;

[Allgemeine Meereschemie I](#), V; 2 SWS;

[Biogeochemistry of Marine Sediments II \(MNF-bioc-357\)](#), V; Schein;

[Current Topics in Marine Biogeochemistry II \(MNF-bioc-331\)](#), V/UE; 3 SWS;

[Current Topics in Marine Biogeochemistry II \(MNF-bioc-331\)](#), S; 2 SWS; Part of the module MNF-bioc-331;

[Doing Science \(MNF-bioc-110\)](#), V; 1 SWS; Part of the module MNF-bioc-110;

[Doing Science \(MNF-bioc-110\)](#), UE; 2 SWS; Part of the module MNF-bioc-110;

[Early Earth Life, Extreme Environments and Astrobiology \(MNF-bioc-356\)](#), S; 3 SWS; Schein;

[Einführung in die marine Geochemie I \(MNF-geow-BWMU2\)](#), V; 2 SWS;

[Functional morphology and physiology of marine organisms](#), S; 2 SWS;

[Introduction to Biological Oceanography \(MNF-bioc-101\)](#), V; 3 SWS;

[Introduction to Chemical Oceanography \(MNF-choc-101\)](#), V; 2 SWS;

[Introduction to Chemical Oceanography \(MNF-choc-101\)](#), UE; 1 SWS;

[Klimarelevante Spurengase im Ozean](#), V; 2 SWS;

[Marine Animal Physiology \(MNF-bioc-355\)](#), V; 2 SWS;

[Marine-Isotopen Systeme \(MNF-geow-BWKF4\)](#), V/UE; 4 SWS;

[Meereschemie und Chemische Ozeanographie \(MNF-chem 0406D - Teil II\)](#), V; 2,5 SWS;

[Meereschemisches Praktikum I mit Seminar](#), P/SEM; 4 SWS;

[Meereschemisches Praktikum II und Seminar](#), P/SEM; 4 SWS;

[Multidisciplinary Oceanographic Research \(MNF-bioc-301\)](#), SONST; 8 SWS;

[Phytoplankton: from genome to ecology](#), V; 2 SWS; Mo, 10:00 - 11:30, DW20 - R.B52 [gr. Prakt.R.(Westufer)]

[Practical Course in Biological Oceanography \(MNF-bioc-102\)](#), UE; 1 SWS;

[Riebesell, U.](#)

[Riebesell, U., Körtzinger, A.](#)

[Wahl, M., Wallace, D.W.R., Lenz, M., Werner, I.](#)

[Wahl, M., Wallace, D.W.R., Lenz, M., Werner, I.](#)

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Appendices

[Practical Course in Biological Oceanography, Master \(MNF-bioc-102\)](#), P; 12 SWS;

[Practical Course in Biological Oceanography, Diplom \(MNF-bioc-102\)](#), P; 12 SWS;

[Seminar Biogeochemische Modellierung](#), S; 2 SWS;

[Übungen zur Vorlesung Allgemeine Meereschemie I](#), UE; 1 SWS;

Research Division 3: Marine Ecology

[Biodiversity of Fishes \(part of the module MNF-bioc-334\)](#), V/UE; 2 SWS;

[Current Topics in Fish Ecology \(MNF-bioc-334\)](#), S; 2 SWS;

[Current Topics in Marine Ecology II \(MNF-bioc 332\)](#), S; 2 SWS;

[Current Topics in Marine Ecology II \(MNF-bioc-332\)](#), V/UE; 3 SWS;

[Einführung in die Meeresbiologie](#), V; 2 SWS;

[EV-Seminar](#), S;

[Fish Systematic, Biology and Evolution \(part of the module MNF-bioc-334\)](#), V; 1 SWS;

[Introduction to Biological Oceanography \(MNF-bioc-101\)](#), V; 3 SWS;

[Multidisciplinary Oceanographic Research \(MNF-bioc-301\)](#), SONST; 8 SWS;

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[Practical Course in Biological Oceanography \(MNF-bioc-102\)](#), UE; 1 SWS;

[Practical Course in Biological Oceanography, Master \(MNF-bioc-102\)](#), P; 12 SWS;

[Practical Course in Biological Oceanography, Diplom \(MNF-bioc-102\)](#), P; 12 SWS;

[Seminar Evolutionsökologie Mariner Fische](#), S; 1 SWS;

[Seminar für Diplomanden und Doktoranden](#), S; 2 SWS;

[Seminar für Marine Mikrobiologie \(500108\)](#), S; 2 SWS;

Research Division 4: Dynamics of the Ocean Floor

[3D Seismik](#), V/UE; 4 SWS;

[Aktuelle Forschungsthemen in der Marinen Geodynamik](#), S; 2 SWS;

[Akustische Abbildung von sedimentären Strukturen im Ozean](#), V; 4 SWS;

[Einführung in die Becken-Modellierung](#), V/UE; 4 SWS;

[Einführung in die Geochemie der Gesteine](#), V; 2 SWS;

[Einführung in die Geophysik I \(MNF-geop-EGPH\)](#), V; 2 SWS;

[Einführung in die Tektonik/ Strukturgeologie \(MNF-geow-7\)](#), V; 2 SWS;

[Magmatismus der Erde mit mikroskopischen Übungen](#), V; 3 SWS;

[Petrologie und Hydrothermalismus der Ozeankruste](#), V/UE; 2 SWS;

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[Imhoff, J.F.](#)

[Imhoff, J.F.](#)

[Berndt, Ch.](#)

[Behrmann, J.H., Kopp, H.](#)

[Krastel-Gudegast, S.](#)

[Rüpke, L.](#)

[Hansteen, Th., Hauff, F.](#)

[Kopp, H.](#)

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[Devey, C.W., Lackschewitz, K., Petersen, S.](#)

Appendices

[Plattentektonik](#), V/UE; 4 SWS;

[Schmelzeinschlüsse in magmatischen Mineralen](#), S;

[Mahatsente, R.](#), [Kopp, H.](#)

[Hansteen, Th.](#)

S U M M E R - T E R M 2010

Research Division 1: Ocean Circulation and Climate Dynamics

[Atmosphären und Ozean Dynamik I](#), V; 2 SWS;

[Übungen zur Vorlesung: Atmosphären und Ozean Dynamik I](#), UE; 2 SWS;

[Data Analysis](#), V; 2 SWS; MNF-klim-304;

[Data Analysis](#), UE; 2 SWS; MNF-klim-304;

[FB1-Seminar](#), S;

[Böning, C.](#)

[Biastoch, A.](#)

[Keenlyside, N.S.](#)

[Martin, T.](#)

[Böning, C.](#), [Dullo, W.-Ch.](#), [Frank, M.](#), [Latif, M.](#), [Nürnberg, D.](#),
[Visbeck, M.](#), [Brandt, P.](#), [Krüger, K.](#)

[Feldpraktikum Messmethoden der Meteorologie \(MNF-Pher110c\)](#), P; 3 SWS; MNF-pher-110;

[Bumke, K.](#), [Stick, C.](#)

[Feldpraktikum Messmethoden der Ozeanographie \(MNF-Pher110b\)](#), P; 3 SWS; MNF-pher-110;

[Karstensen, J.](#)

[Foraminiferen-Geochemie: Anwendungen für Paläoumwelt-Rekonstruktionen](#), V; 1 SWS;

[Nürnberg, D.](#)

[Geologie der Albula Querzone: Stratigraphie und Tektonik zwischen Unter- und Oberostalpin](#), EX;

[Dullo, W.-Ch.](#)

[Introduction to Physical Oceanography \(MNF-Klim 101\)](#), V; 3 SWS; MNF-klim-101;

[Visbeck, M.](#), [Greatbatch, R.](#)

[Klima Physik \(Mete-201a\)](#), V; 2 SWS; MNF-mete-201a;

[Latif, M.](#)

[Klima Physik \(Mete-201a\)](#), UE; 2 SWS; MNF-mete-201a;

[Martin, Th.](#)

[Meereswissenschaftliches Kolloquium](#), KO;

Professoren und Dozenten des IFM-GEOMAR

[Messmethoden der Ozeanographie \(MNF-Pher-110b\)](#), V;

[Kanzow, T.](#), [Brandt, P.](#), [Visbeck, M.](#), [Fischer, J.](#), [Dengler, M.](#)

[Messmethoden Meteorologie \(MNF-Pher-110c\)](#), V; 2 SWS; MNF-pher-110;

[Bumke, K.](#)

[Modern aspects of meteorology and oceanography: "The Carbon Cycle in a changing Climate" \(MNF-bioc-359\)](#), S; 3 SWS;

[Treude, T.](#), [Schneider, B.](#), [Krüger, K.](#)

[Oz.-Met. Climate Seminar](#), S; 2 SWS;

[Krüger, K.](#), [Böning, C.](#)

[Ozeanphysik Übung \(Ozgr-201\)](#), UE; 2 SWS; MNF-ozgr-201;

[Dengler, M.](#), [Kanzow, T.](#)

[Ozeanphysik Vorlesung \(Ozgr-201\)](#), V; 2 SWS;

[Radiation](#), V; 2 SWS; MNF-mete-301;

[Radiation](#), UE; 1 SWS;

[Seminar für Diplomanden der Meteorologie](#), S; 2 SWS;

[Seminar für Diplomanden der Physikalischen Ozeanographie](#), S;

[Seminar für Diplomanden und Doktoranden: Aktuelle Forschungsergebnisse der marinen Geologie](#), S; 1 SWS;

[Seminar für Doktoranden der Physikalischen Ozeanographie](#), S; 2-std.

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[Krüger, O.](#)

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[Krüger, K.](#), [Latif, M.](#)

[Böning, C.](#), [Visbeck, M.](#), [Brandt, P.](#)

[Frank, M.](#)

[Böning, C.](#), [Visbeck, M.](#), [Brandt, P.](#), [Greatbatch, R.](#), [Kanzow, T.](#)

Research Division 2: Marine Biogeochemistry

[Aktuelle Themen der Meereschemie](#), S; 1 SWS;

[Allgemeine Meereschemie II](#), V; 2 SWS;

[Anleitung zum selbständigen wissenschaftlichen Arbeiten](#), AW;

[Biogeochemistry of Marine Sediments I \(MNF-bioc-251\)](#), V; 2 SWS;

[Biological Modelling and Biostatistics MNF-bioc-220, Part A](#), V/UE; 4 SWS;

[Biological Modelling and Biostatistics MNF-bioc-220, Part B](#), V/UE; 4 SWS;

[Current Topics in Marine Biogeochemistry I \(MNF-bioc-231\)](#), V; 2 SWS;

[Current Topics in Marine Biogeochemistry I \(MNF-bioc-231\)](#), S; 2 SWS;

[Einführung in die marine Geochemie I \(MNF-geow-BWMU2\)](#), V;

[How to Write and Publish a Scientific Paper \(MNF-bioc-253\)](#), S; 1 SWS;

[Literaturseminar Marine Geosystems](#), S; 1 SWS;

[Marine Animal Physiology II - Fascinating New Research Topics in Marine Animal Physiology \(MNF-bioc-.252\)](#), S; 2 SWS;

[Meereschemie und Chemische Ozeanographie \(MNF-chem 0406D Teil I\)](#), V; 2,5 SWS;

[Meereschemisches Praktikum I mit Seminar](#), P/SEM; 4 SWS;

[Wallace, D.W.R.](#), [Körtzinger, A.](#)

[Wallace, D.W.R.](#)

[Wallace, D.W.R.](#), [Körtzinger, A.](#), [Bange, H.](#), [Croot, P.](#)

[Treude, T.](#)

[Oschlies, A.](#)

[Lenz, M.](#)

[Riebesell, U.](#), [Körtzinger, A.](#)

[Riebesell, U.](#), [Körtzinger, A.](#)

[Wallmann, K.](#)

[Treude, T.](#)

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[Melnzer, F.](#)

[Körtzinger, A.](#)

[Bange, H.](#)

Appendices

[Meereschemisches Praktikum II und Seminar, P/SEM](#); 4 SWS;

[Modern aspects of meteorology and oceanography: "The Carbon Cycle in a changing Climate" \(MNF-bioc-359\)](#), S; 3 SWS;

[Seminar Biogeochemische Modellierung](#), S; 2 SWS;

[Stoffkreisläufe im Meer](#), V; 2 SWS;

[Übungen zur Vorlesung Allgemeine Meereschemie II](#), UE; 1 SWS;

[Croot, P., Tanhua, T.](#)

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[Oschlies, A.](#)

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Research Division 3: Marine Ecology

[Advanced Course in Biological Oceanography MNF-bioc 201 Lecture](#), V; 3 SWS;

[Advanced Course in Biological Oceanography MNF-bioc-201 Practical Part A](#), P; 5 SWS;

[Advanced Course in Biological Oceanography MNF-bioc-201 Practical Part B](#), P; 5 SWS;

[Advanced Course in Biological Oceanography MNF-bioc-201 Practical Part C](#), P; 5 SWS;

[Advanced course in Polar Ecology](#), V/UE; 3 SWS;

[Bestimmungskurs an Meeres- Fauna und Flora \(Ergänzungsveranstaltung\)](#), P; 4 SWS;

[Current Topics in Fish Ecology and Aquaculture: Faunistics and Ecology of the Mediterranean Sea MNF-bioc-233](#), EX;

[Current Topics in Marine Ecology I \(MNF-bioc 232\) Seminar](#), S; 2 SWS;

[Current Topics in Marine Ecology I \(MNF-bioc-232\), Vorlesung](#), V; 3 SWS;

[EV-Literature Seminar](#), V;

[MNF-bioc 201 Part C Vorbesprechung \(LaRoche/Imhoff\)](#), V;

[MNF-bioc-265 Zooplankton Ecology Special Course](#), P; 4 SWS;

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[Seminar der Marinen und Molekularen Mikrobiologie](#), S; 2 SWS;

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[Seminar Evolutionsökologie Mariner Fische](#), S; 1 SWS;
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[Reusch, Th.B.H., Eizaguirre, Ch., Wegner, M.](#)
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Research Division 4: Dynamics of the Ocean Floor

[Aktuelle Forschungsthemen in der Marinen Geodynamik](#), S; 2 SWS;
[Digitale Bearbeitung geophysikalischer Daten: Seismische Interpretation](#), V/UE; 2 SWS;
[Finite element modeling of convection in porous media](#), V/UE; 3 SWS;
[Geothermie](#), V/UE; 2 SWS;
[Magmatische Prozesse und Plattentektonik](#), V; 2 SWS;
[Marine Geophysik](#), V/UE; 4 SWS;
[Physische Vulkanologie](#), V/UE; 2 SWS;
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[Behrmann, J.H., Kopp, H.](#)
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9. Acronyms

| | | | | | |
|------------|--|----------|--|-----------|--|
| AABW | Antarctic Bottom Water | BALTEX | Baltic Sea Experiment | CFCAS | Canadian Foundation for Climate and Atmospheric Sciences (CDN) |
| AAIW | Antarctic Intermediate Water | BALTIMOS | BALTEX - Integral Model System | CGCM | Coupled General Circulation Model |
| AARI | Institut für Arktis- und Antarktisforschung St. Petersburg/Russia | BASIC | Baltic Sea cyanobacteria | CIESM | Commission internationale pour l'exploration scientifique de la mer Méditerranée |
| ACC | Antarctic Circumpolar Current | BASYS | Baltic Sea System Study | CIMAS | Cooperative Institute for Marine and Atmospheric Studies, Miami, USA |
| ACME | Advisory Committee for the Environment | BATS | Bermuda Atlantic Time series Study | CIRAMOSA | Compilation of regional cirrus macro- and microphysical properties |
| ACSYS | Arctic Climate System Study | BECAUSE | Critical Interactions BETWEEN Species and their Implications for a PreCAUTIONary | CLIVAR | Climate Variability and Predictability Programme (WCRP) |
| ADCP | Acoustic Doppler Current Profiler | BEQUALM | Biological effects quality assurance in monitoring programmes | CLIWA-Net | Cloud Liquid Water Network (BALTEX) |
| AGCM | Atmospheric General Circulation Model | BfA | Bundesforschungsanstalt für Fischerei | CNRM | Centre National de Recherches Meteorologiques |
| AGU | American Geophysical Union | BfN | Bundesamt für Naturschutz | CMS | Commission on Moving Species |
| AMAM | Automated nutrient analysis | BGR | Bundesanstalt für Geowissenschaften und Rohstoffe | CMCC | Euro-Mediterranean Centre for Climate Change |
| AMMA | African Monsoon Multidisciplinary Analyses | BIO | Bedford Institute for Oceanography | COADS | Comprehensive Ocean-Atmosphere Data Set |
| AMOC | Atlantic Meridional Overturning Circulation | BioCoMBE | The Impact of Biodiversity Changes in Coastal Marine Benthic Ecosystems | CoML | Census of Marine Life |
| AMS | American Meteorological Society | BMBF | Bundesministerium für Bildung und Forschung | COMWEB | Comparative analysis on coastal planktonic food webs |
| AMSU | Advanced Microwave Sounding Unit | BMVEL | Bundesministerium für Verbraucherschutz, Ernährung und Landwirtschaft | CRCES | Center for Research on the Changing Earth System |
| ANIMATE | Atlantic Network of Interdisciplinary Moorings and Timeseries for Europe | BSH | Bundesanstalt für Seeschifffahrt und Hydrographie | CRIMP | Center of Research on Marine Introduced Pests (Australia) |
| AOSB | Arctic Ocean Sciences Board | BSR | Bottom-Simulating-Reflector | CSIRO | Commonwealth Scientific & Industrial Research Organisation (Australia) |
| APEX | Arctic Paleoclimate and its Extremes | BSSC | Building Seismic Safety Council | CTD | Conductivity-Temperature-Depth |
| ART | Arctic in Rapid Transition Initiative | CACGP | Commission for Atmospheric Chemistry and Global Pollution | DACH | Deutsch-Österreichisch-Schweizerische Meteorologentagung |
| ASFA | Aquatic Sciences and Fisheries Abstracts | CARINA | Carbon dioxide in the Atlantic Ocean | DCESS | Danish Centre for Earth System Science |
| ASLO | American Society of Limnology and Oceanography | CAU | Christian-Albrechts-Universität zu Kiel | DFG | Deutsche Forschungsgemeinschaft (German Research Council) |
| AtlantNIRO | Atlantic Scientific Research Institute of Marine Fisheries and Oceanography, Russia, Kaliningrad, Russia | CAVA | Central American Volcanic Arc | DGG | Deutsche Geologische Gesellschaft |
| AUV | Autonomous Underwater Vehicle | CAVASSOO | Carbon variability studies by ships of opportunity | DGHM | Deutsche Gesellschaft für Hygiene und Mikrobiologie |
| AVHRR | Advanced Very High Resolution Radiometer | CCCC | Climate Change and Carrying Capacity | DGL | Deutsche Gesellschaft für Limnologie |
| AWI | Alfred Wegener Institut für Polar- und Meeresforschung, Bremerhaven | CCMVal | Chemistry-Climate Model Validation | | |
| BAHC | Biospheric Aspects of the Hydrological Cycle (IGBP) | CCRC | Climate Change Research Centre | | |
| | | CDIAC | Carbon Dioxide Information Analysis Center, Oak Ridge, USA | | |
| | | CEFAS | Centre for Environment, Fisheries and Aquaculture Science, Lowestoft, UK | | |

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|-------------|---|----------|---|-----------|--|
| DGM | Deutsche Gesellschaft für Meeresforschung | ENBI | European Network of Biodiversity Information | | Kernenergieverwertung in Schiffbau und Schifffahrt (Forschungszentrum Geesthacht) |
| DGP | Deutsche Gesellschaft für Protozoology | ENSO | El Niño/La Niña-Southern Oscillation | | |
| DIFRES | Danish Institute for Fisheries Research, Lyngby, Denmark | ERA-40 | ECMWF 40 Year Re-analysis | GLOBEC | Global Ocean Ecosystems Dynamics |
| DIGENIT | Diversität nitratreduzierender Bakterien (BMBF Project) | ESF | European Science Foundation | GMES | Global Monitoring for Environment and Security |
| DIVA | Latitudinal gradients of deep-sea bioDiversity in the Atlantic Ocean | ESONET | European Sea Floor Observatory Network | GOOS | Global Ocean Observing System |
| DLR | Deutsche Gesellschaft für Luft- und Raumfahrt | ESRIN | European Space Research Institute | GPI | Geologisch-Paläontologisches Institut |
| DMG | Deutsche Meteorologische Gesellschaft | ESTEC | European Space Research and Technology Centre | GRACE/OBP | Gravity Recovery And Climate Experiment |
| DMS | Dimethyl sulphide | ESTOC | European Station for Time-Series in the Ocean Canary Islands | GSF | Forschungszentrum für Umwelt und Gesundheit (BMBF Projektträger) |
| DMSP | dimethyl sulfonium propionate | ETA AAS | Atomic Absorption Spectroscopy using Electrothermal Atomisation | GSOP | Global Synthesis and Observations Panel |
| DOMINOE | Dissolved organic matter as a component of ocean ecosystem and carbon cycle | EU | European Union | GV | Geologische Vereinigung |
| DON | Dissolved organic nitrogen | EUAC | European Union of Aquarium Curators | HELCOM | Helsinki Commission (Baltic Marine Environment Protection Commission) |
| DPG | Differential Pressure Gauge | EUC | Equatorial Undercurrent | HERSUR | Herring Survey Programme (EU) |
| DWBC | Deep Western Boundary Current | EULIT | Effects of eutrophicated seawater on rocky shore ecosystems studied in large littoral mesocosms | HYDROARC | Hydrothermale Prozesse an flach-marinen Vulkanen der Bransfield Strasse |
| DWD | Deutscher Wetterdienst | EURASLIC | European Association of Aquatic Libraries and Information Centres | HYFIFLUX | Hydrothermal fluid development, material balancing and special biological activity in the North Fiji Basin |
| DWK | Deutsche Wissenschaftliche Kommission für Meeresforschung | FB | Forschungsbereich | | |
| DYNAMO | Dynamics of North Atlantic Models | FEB RAS | Far Eastern Branch of the Russian Academy of Sciences | IABO | International Association for Biological Oceanography |
| EARSeL | European Association of Remote Sensing Laboratories | FEOM | Finite-Elemente Ocean Model | IACS | International Association for the Cryospheric Sciences |
| EAS | European Aquaculture Society | FLAME | Family of Linked Atlantic Model Experiments | IAMAP | International Association of Meteorology and Atmospheric Physics |
| EASIZ | Ecology of the Antarctic Sea Ice Zone | FTZ | Forschungs- und Technologiezentrum der CAU, Büsum | IAMAS | International Association of Meteorology and Atmospheric Sciences |
| ECCO | Estimating the Circulation of the Ocean | GAME | Global Approach by Modular Experiments | IAPP | International Arctic Polynya Programme (AOSB; IAPP) |
| ECHAM /NEMO | European Centre Hamburg Model / Nucleus for European Modelling of the Ocean | GBB | Great Bahama Bank | IAP RAS | Institute of Applied Physics of the Russian Academy of Sciences |
| ECMWF | European Centre for Medium Range Weather Forecasts | GBIF | Global Biodiversity Information Facility | IAPSO | International Association for the Physical Science of the Oceans |
| ECOSIM | Ecosystem Simulation | GCMs | General Circulation Models | IASC | International Arctic Science Committee |
| EEA | European Elasmobranch Association | GeoB | Institut für Geowissenschaften, Univ. Bremen | IBM | Individual-based models |
| EGO | European Glider Observatories | GEWEX | Global Energy and Water Cycle Experiment | ICARP | International Conference on Arctic Research Planning |
| EGU | European Geosciences Union | GfÖ | Gesellschaft für Ökologie | ICBM | Institut für Chemie und Biologie des |
| EIFAC | European Inland Fisheries Advisory Commission | GFZ | Geoforschungszentrum Potsdam | | |
| ELOISE | European Land Ocean Interaction Analysis | GHSZ | Gas Hydrate Stability Zone German Israel Foundation | | |
| EMAPS | European Marine and Polar Sciences | GITEWS | German-Indonesian Tsunami Early Warning Sytem | | |
| EMBS | European Marine Biology Symposium | GKSS | Gesellschaft für | | |

Appendices

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|---|---|---------|--|-----------|---|
| ICBS | Meeres, Universität Oldenburg International Committee on Systematic Bacteriology | ITCZ | Climatology Project | NAFO | Northwest Atlantic Fisheries Organization |
| ICCM | Instituto Canario de Ciencias Marinas, Las Palmas, Spain | IUB | Intertropical Convergence Zone | NAO | North Atlantic Oscillation |
| ICES | Instituto Español de Oceanografía | IUGG | International University Bremen | NATO | North Atlantic Treaty Organization |
| ICHCA | Instituto Canario de Ciencias Marinas, Las Palmas, Spain | KALMAR | International Union of Geodesy and Geophysics | NBUC | North Brazil Undercurrent |
| IEO | International Council for the Exploration of the Seas | KAUST | Kurile-Kamchatka and Aleutian Marginal Sea-Island Arc Systems | NCAR | National Center for Atmospheric Research, Boulder, USA |
| IfM | International Cargo Handling Co- ordination Association | KCM | King Abdullah University of Science and Technology | NCEP | National Center for Environmental Prediction (NOAA) |
| IFREMER | Instituto Español de Oceanografía | KDM | Kiel Climate Model | NEMO | Nucleus for European Modelling of the Ocean |
| IFT | Institut für Meereskunde, Hamburg | KNMI | Konsortium Deutsche Meeresforschung | NERC | National Environmental Research Council |
| IGBP | Institut Français de Recherche pour l'Exploitation de la Mer, Brest, France | KOFST | Koninklijk Nederlands Meteorologisch Instituut, de Bilt, The Netherlands | NEUC/SEUC | North Equatorial Undercurrent / South Equatorial Undercurrent |
| IGOOS | Leibniz-Institut für Troposphärenforschung | LATFRI | Korean Federation of Science and Technology Societies | NIOZ | Nederlandse Instituut voor Onderzoek der Zee, The Netherlands |
| IHLS | International Geosphere-Biosphere Programme | LIP | Latvian Fisheries Research Institute | NIWA | National Institute of Water and Atmospheric Research (NZ) |
| IMAU | IOC-WMO-UNEP Committee for GOOS | LOICZ | Large Igneous Provinces | NOAA | National Oceanic and Atmospheric Administration |
| IMO | International Herring Larvae Survey (ICES) | LSW | Land Ocean Interactions in the Coastal Zone (IGBP component) | NOAA-AOML | National Oceanic and Atmospheric Administration – Atlantic Oceanographic and Meteorological Laboratory, Miami, USA |
| INQUA-Morss | Institut für Marine and Atmospheric Research Utrecht, The Netherlands | MACOM | Labrador Sea Water | NOC | National Oceanography Centre, Southampton, UK |
| INTAS | International Maritime Organization | MAR | Maternal effects on Atlantic cod recruitment and implications for management strategies (EU Project) | NOCES | Northern Ocean-Atmosphere Carbon Exchange Study |
| Intergovernmental Oceanographic Commission | International Union for Quaternary Research-Morss | MAR-ECO | Mid Atlantic Ridge | NOW | Nederlandse Organisatie voor Wetenschappelijk Onderzoek |
| IODP | International Association for the promotion of cooperation with scientists from the independent states of the former Soviet UnionIOC | MARBEF | Project Patterns and Processes of the Ecosystem of the Northern Mid- Atlantic | NSERC | National Science and Engineering Research Council (CDN) |
| IOW | Integrated Ocean Drilling Program | MARE | Marine Biodiversity and Ecosystem Functioning EU Network of Excellence | NSF | National Science Foundation, USA |
| IPCC | Institut für Ostseeforschung, Warnemünde | MATER | Marine Artificial Recirculated Ecosystem | OBH | Ocean Bottom Hydrophones |
| IPIMAR | Intergovernmental Panel on Climate Change | MCEV | Mediterranean Targeted Project-Mass Transfer and Ecosystem Response | OBIS | Ocean Biogeographic Information System |
| IPRC | Instituto de Investigação das Pescas e do Mar, Lisboa | MOC | Multidecadal and Centennial ENSO Variability | OBS | Ocean-Bottom-Seismometers |
| IRCCM | International Pacific Research Institute, Honolulu, USA | MODOO | Meridional Overturning Circulation | OBU | Ocean-Bottom-Unit |
| IRONAGES | International Research Consortium for Continental Margins | MOVE | Modular Deep Ocean Observatory | OCTOPUS | Ocean Tomography Operational Package and Utilization Support |
| ISCCP | Iron Resources and Oceanic Nutrients- Advancement of Global Environment Simulations | MPIfM | Meridional Overturning Variability Experiment | OMAE | Offshore Mechanics and Arctic Engineering |
| | International Satellite Cloud | MRI | Max-Planck Institut für Meteorologie | OMEX | Ocean Margin Exchange |
| | | MSG-IR | Marine Research Institute, Reykjavik, Iceland | OPAC | Online Public Access Catalogue |
| | | NAC | Meteosat Second Generation-Infrared | ORNL | Oak Ridge National Laboratory, Oak |
| | | NADW | North Atlantic Current | | |
| | | | North Atlantic Deep Water | | |

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| OSPAR | Ridge, USA Convention for the Protection of the Marine Environment of the North-East Atlantic (Oslo-Paris) | SETAC | Society of Environmental Toxicology and Chemistry | VOS | Voluntary Observing Ships |
| PAGES/IMAGES | Past Global Changes/International Marine Global Change Studies | SFB | Sonderforschungsbereich (Collaborative Research Center) | WAS | World Aquaculture Society |
| PAH | Polycyclic Aromatic Hydrocarbons | SGMSNS | Study Group on Multispecies Assessments in the North Sea | WCRP | World Climate Research Programme |
| PARS | Precision and accuracy of tools in recruitment studies (Eu-Project) | SIL | Societas Internationalis Limnologiae | WDC-MARE | World Data Center for Marine Environmental Data |
| PCB | Polychlorinated biphenyl | SIO | Scripps Institution of Oceanography, La Jolla, USA | WGEIM | Working Group on Environmental Interactions of Aquaculture |
| PDF | Probability Density Function | SMHI | Swedish Meteorological and Hydrological Institute | WGL | Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz |
| PEP | Pilot Study of Evaporation and Precipitation (BALTEX) | SAO-NMEFC | State Oceanic Administration - National Marine Environmental Forecasting Center | WGNE | Working Group on Numerical Experimentation |
| PIK | Potsdam Institute für Klimafolgenforschung, Potsdam | SODA | Simple Ocean Data Assimilation | WGOMD | Working Group on Ocean Model Development |
| PIRATA | Pilot Research Array of moored buoys over the Tropical Atlantic | SOIRE | Southern Ocean Iron RElease Experiment | WGSF | Working Group on Surface Fluxes |
| POC | Particulate Organic Carbon | SOLAS | Surface Ocean Lower Atmosphere Study | WHOI | Woods Hole Oceanographic Institution, Woods Hole, USA |
| POGO | Partnership for Observations of the Global Oceans | SOMARE | Sampling, Observations & Modelling of Atlantic Regional Ecosystems | WMO | World Meteorological Organization |
| POLMARF | Polish Marine Fishery Science Center | SOPATRA | South Pacific Paleoceanographic Transects | WOAP | WCRP Observations and Assimilation Panel |
| PON | Particulate Organic Nitrogen | SOPRAN | Surface Ocean Processes in the Anthropocene | WOCE | World Ocean Circulation Experiment |
| PR | Public Relations | SPACC | Small Pelagic Fishes and Climate Changes | WTZ | Wissenschaftlich-Technische Zusammenarbeit (BMBF) |
| PTJ | Projekträger Jülich (BMBF) | SPARC | Stratospheric Processes And their Role in Climate | XBT | Expendable Bathythermograph |
| RAS | Russian Academy of Sciences | SPP | Special Priority Program (DFG) | ZMAW | Zentrum für Marine und Atmosphärische Wissenschaften (Hamburg) |
| RD | Research Division | SRON | Netherlands Institute for Space Research | ZMK | Zentrum für Meeres- und Klimaforschung der Universität Hamburg |
| RECONN | Resolving Trophodynamic Consequences of Climate Change | SSA | Scientific Support Action | ZUFO | Zentrum für Umweltforschung |
| RIVO | Nederlands Instituut voor Visserijonderzoek, Ijmuiden, The Netherlands | SSTC | Shallow Subtropical Cell | | |
| ROV | Remotely Operated Vehicle | SV | Sverdrup (106 km ³ /s) | | |
| RSMAS | Rosenstiel School of Marine and Atmospheric Sciences, Miami, USA | TACE/PIRATA | Tropical Atlantic Climate Experiment | | |
| SAB | Scientific Advisory Board | TAR | Third Assessment Report (IPCC) | | |
| SAGA | South African Geophysical Association | TAV | Tropical Atlantic Variability | | |
| SAMOC | South Atlantic Meridional Overturning Circulation | TEWS | Tsunamis Early Warning System | | |
| SAP | Sustainable Fisheries: Assessment and Prediction (EU project) | THC | Thermohaline Circulation | | |
| SCAR | Scientific Committee on Antarctic Research | THOR | Thermohaline Overturning – at Risk? | | |
| SCOR | Scientific Committee on Oceanic Research | TLC / TLZ | Technology and Logistic Center (Technik- und Logistik Zentrum) | | |
| SDN | Schutzgemeinschaft Deutsche Nordseeküste | UBA | Umweltbundesamt | | |
| | | VAAM | Vereinigung für Allgemeine und Angewandte Mikrobiologie e.V. | | |